

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY051520\
 Data File : VY002693.D
 Acq On : 15 May 2020 12:12
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 5/18/2020 1:36:04 PM

Quant Time: May 15 13:10:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y051520S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 15 12:50:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	368444	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	543795	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	496328	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	259626	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	54405	17.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.32%	
35) Dibromofluoromethane	7.72	113	58293	18.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.54%	
50) Toluene-d8	10.18	98	234069	19.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.42%	
62) 4-Bromofluorobenzene	12.48	95	80208	19.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	56470	21.224	ug/l	98
3) Chloromethane	2.12	50	63888	21.957	ug/l	100
4) Vinyl Chloride	2.25	62	66694	20.103	ug/l	99
5) Bromomethane	2.64	94	45976	19.576	ug/l	92
6) Chloroethane	2.79	64	41159	20.327	ug/l	98
7) Trichlorofluoromethane	3.13	101	106626	20.174	ug/l	94
8) Diethyl Ether	3.53	74	35295	19.670	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.90	101	65414	20.252	ug/l	99
10) Methyl Iodide	4.10	142	89253	20.245	ug/l	100
11) Tert butyl alcohol	4.96	59	27040	85.694	ug/l	98
12) 1,1-Dichloroethene	3.88	96	64845	20.522	ug/l	96
13) Acrolein	3.74	56	33866	142.111	ug/l	99
14) Allyl chloride	4.49	41	93129	20.306	ug/l	99
15) Acrylonitrile	5.18	53	76796	91.085	ug/l	97
16) Acetone	3.96	43	53379	84.321	ug/l	96
17) Carbon Disulfide	4.19	76	204407	21.491	ug/l	99
18) Methyl Acetate	4.49	43	32189	15.543	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	155475	18.915	ug/l	99
20) Methylene Chloride	4.72	84	73518	20.550	ug/l	98
21) trans-1,2-Dichloroethene	5.22	96	72039	20.787	ug/l	97
22) Diisopropyl ether	6.13	45	186145	20.020	ug/l	97
23) Vinyl Acetate	6.07	43	577830	98.588	ug/l	99
24) 1,1-Dichloroethane	6.03	63	111619	20.315	ug/l	99
25) 2-Butanone	6.99	43	91493	88.445	ug/l	98
26) 2,2-Dichloropropane	6.99	77	102494	19.673	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	78873	20.545	ug/l	99
28) Bromochloromethane	7.34	49	45088	20.101	ug/l	99
29) Tetrahydrofuran	7.35	42	63801	92.775	ug/l	98
30) Chloroform	7.52	83	114744	20.001	ug/l	99
31) Cyclohexane	7.79	56	111638	20.151	ug/l	93
32) 1,1,1-Trichloroethane	7.71	97	106725	20.088	ug/l	99
36) 1,1-Dichloropropene	7.93	75	92430	20.397	ug/l	99
37) Ethyl Acetate	7.08	43	42751	18.315	ug/l	100
38) Carbon Tetrachloride	7.91	117	100364	20.276	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	124002	20.637	ug/l	97
40) Benzene	8.17	78	271649	20.637	ug/l	99
41) Methacrylonitrile	7.33	41	25689m	20.486	ug/l	
42) 1,2-Dichloroethane	8.24	62	69785	19.137	ug/l	100
43) Isopropyl Acetate	8.28	43	80582	18.460	ug/l	98
44) Trichloroethene	8.94	130	85899	20.785	ug/l	97
45) 1,2-Dichloropropane	9.22	63	63782	20.176	ug/l	99
46) Dibromomethane	9.31	93	34948	19.208	ug/l	98
47) Bromodichloromethane	9.50	83	87061	19.660	ug/l	96
48) Methyl methacrylate	9.30	41	36252	18.375	ug/l	98
49) 1,4-Dioxane	9.30	88	9496	395.036	ug/l	96
51) 4-Methyl-2-Pentanone	10.07	43	206738	92.215	ug/l	99
52) Toluene	10.24	92	175670	20.765	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	91886	19.816	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	108438	20.166	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	53014	19.974	ug/l	99
56) Ethyl methacrylate	10.51	69	69278	19.588	ug/l	99
57) 1,3-Dichloropropane	10.79	76	88272	19.624	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	167742	89.616	ug/l	99
59) 2-Hexanone	10.83	43	142808	92.505	ug/l	98
60) Dibromochloromethane	10.99	129	66931	19.734	ug/l	99
61) 1,2-Dibromoethane	11.09	107	51480	19.514	ug/l	99
64) Tetrachloroethene	10.72	164	95102	21.437	ug/l	96
65) Chlorobenzene	11.52	112	193098	20.508	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	70405	20.157	ug/l	98
67) Ethyl Benzene	11.59	91	340089	20.611	ug/l	100
68) m/p-Xylenes	11.70	106	264383	41.342	ug/l	99
69) o-Xylene	12.03	106	124440	20.729	ug/l	99
70) Styrene	12.04	104	212337	20.715	ug/l	99
71) Bromoform	12.20	173	43247	19.961	ug/l #	99
73) Isopropylbenzene	12.33	105	340044	20.321	ug/l	100
74) N-amyl acetate	12.14	43	75252	18.800	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	47811	18.213	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	40938m	18.188	ug/l	
77) Bromobenzene	12.61	156	83213	19.907	ug/l	98
78) n-propylbenzene	12.67	91	399447	20.571	ug/l	99
79) 2-Chlorotoluene	12.75	91	218360	20.282	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	284723	20.509	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	21427	18.850	ug/l #	78
82) 4-Chlorotoluene	12.85	91	226338	20.052	ug/l	100
83) tert-Butylbenzene	13.08	119	252994	20.788	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	287699	20.773	ug/l	98
85) sec-Butylbenzene	13.25	105	348574	20.637	ug/l	100
86) p-Isopropyltoluene	13.37	119	327758	20.708	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	164226	20.711	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	161924	20.640	ug/l	99
89) n-Butylbenzene	13.69	91	297070	20.590	ug/l	100
90) Hexachloroethane	13.96	117	59286	20.490	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	144273	20.398	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	8750	17.773	ug/l	98

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Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri May 15 12:50:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	108447	21.021	ug/l	99
94) Hexachlorobutadiene	15.11	225	66921	21.572	ug/l	100
95) Naphthalene	15.23	128	184329	19.686	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	90665	20.730	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

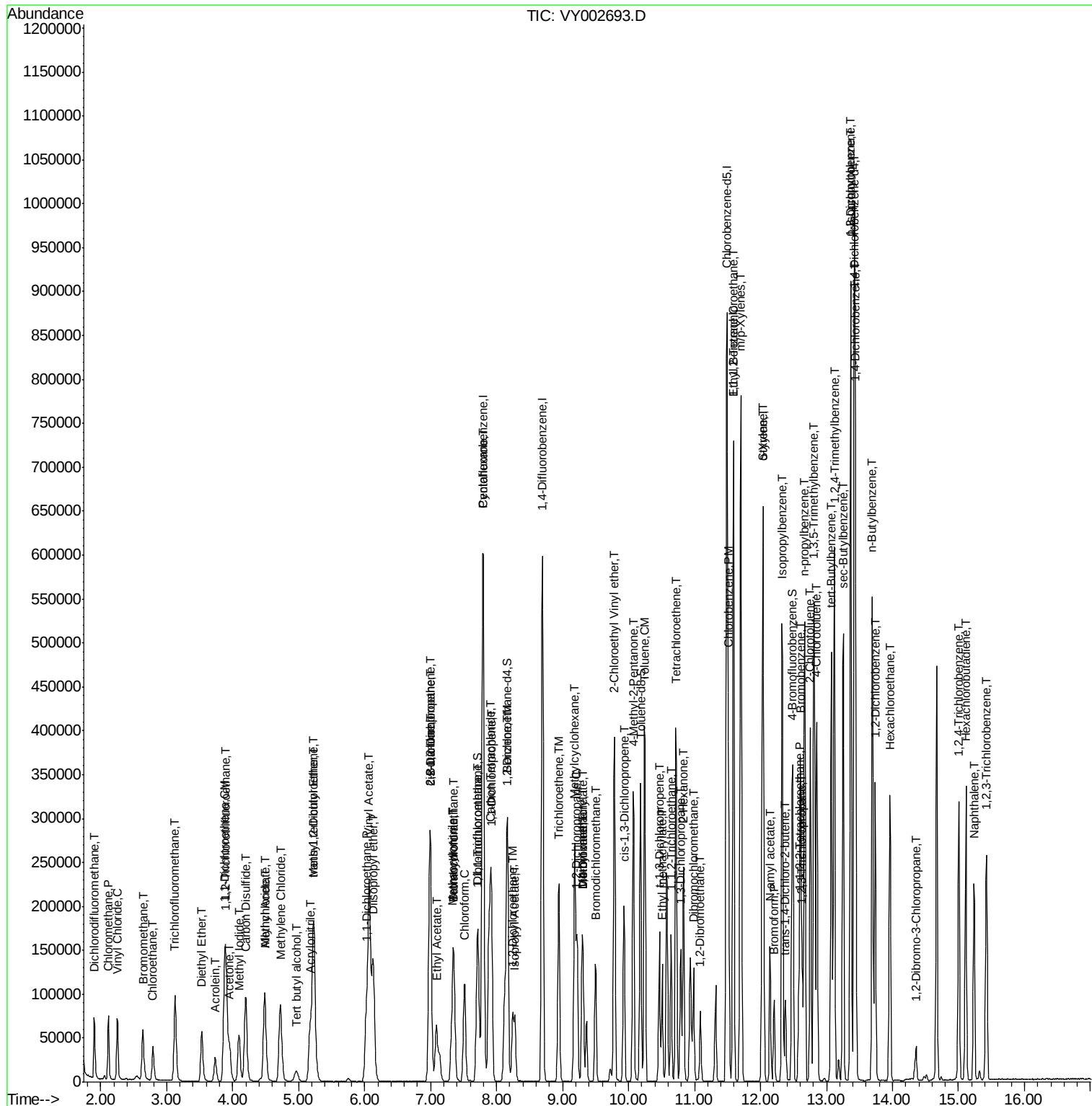
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY051520\
Data File : VY002693.D
Acq On : 15 May 2020 12:12
Operator : SY/MD
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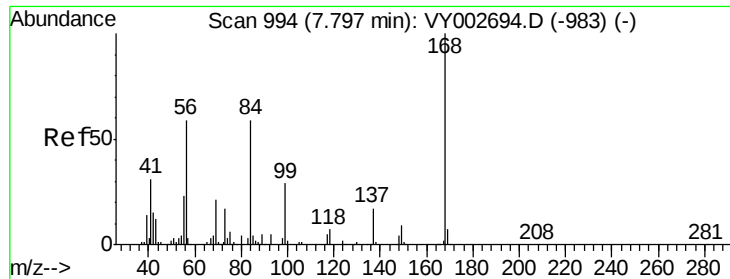
Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

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Quant Title : SW846 8260
QLast Update : Fri May 15 12:50:53 2020
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#1

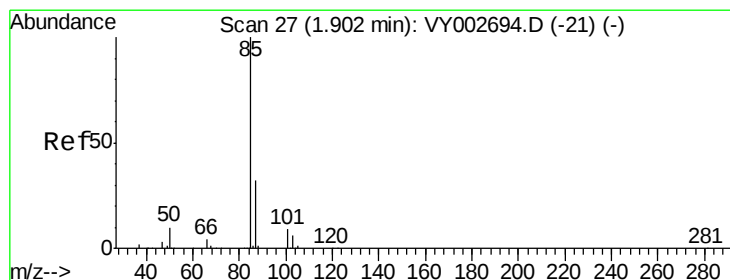
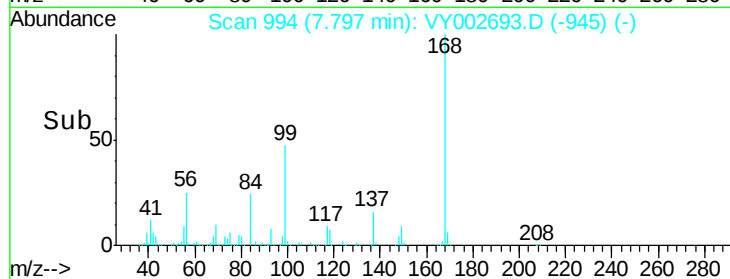
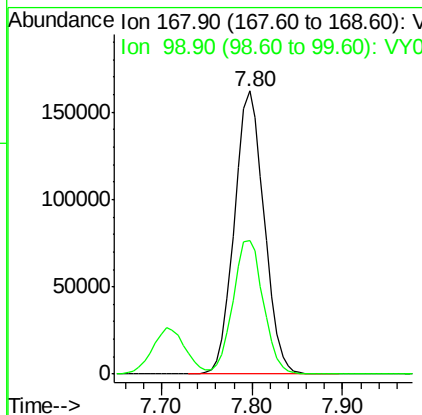
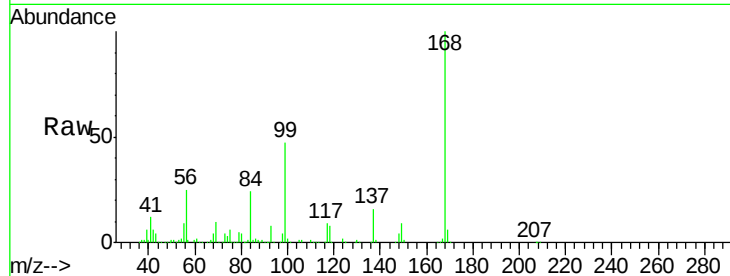
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.80 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VY002693.D
 Acq: 15 May 2020 12:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
168	100		
99	47.0	39.2	58.8

Manual Integrations
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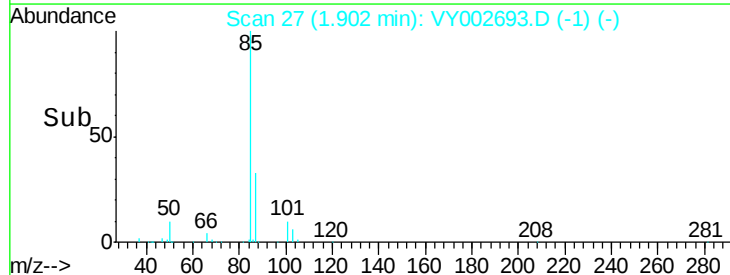
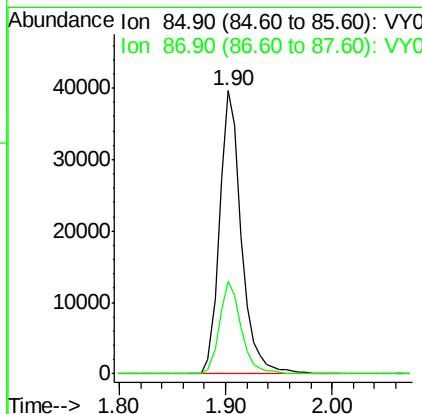
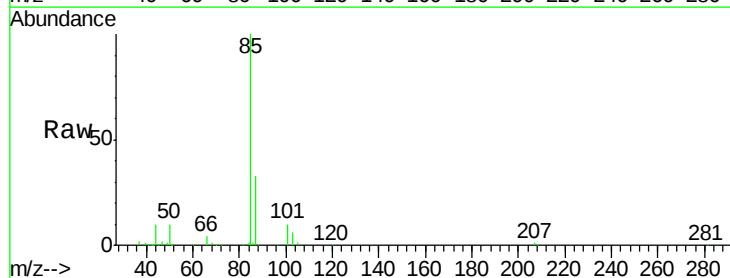
MMDadoda
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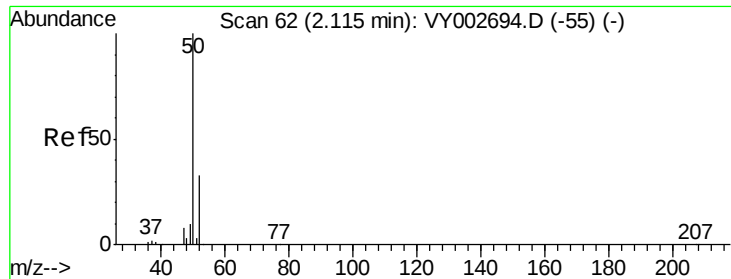


#2

Dichlorodifluoromethane
 Concen: 21.224 ug/l
 RT: 1.90 min Scan# 27
 Delta R.T. 0.00 min
 Lab File: VY002693.D
 Acq: 15 May 2020 12:12

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.8	15.8	47.4





#3

Chloromethane

Concen: 21.957 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY002693.D

Acq: 15 May 2020 12:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 63888

Ion Ratio Lower Upper

50 100

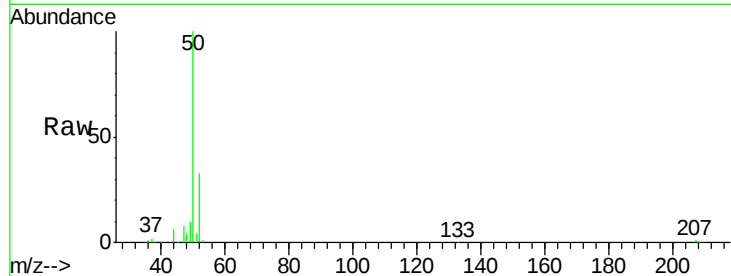
52 33.2 26.3 39.5

Manual Integrations

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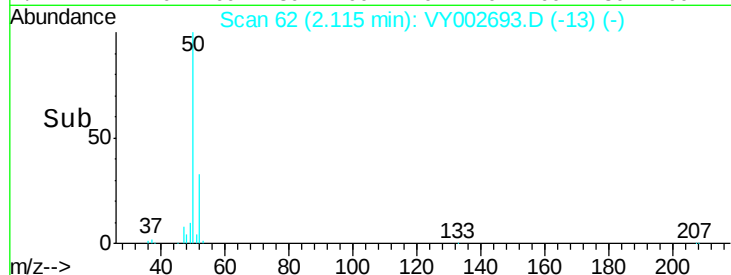


Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.12

Time-->



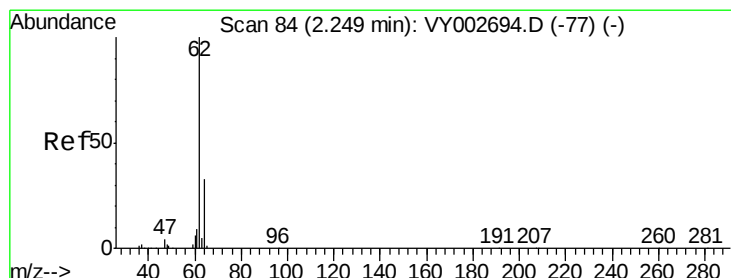
Abundance

Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.12

Time-->



#4

Vinyl Chloride

Concen: 20.103 ug/l

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY002693.D

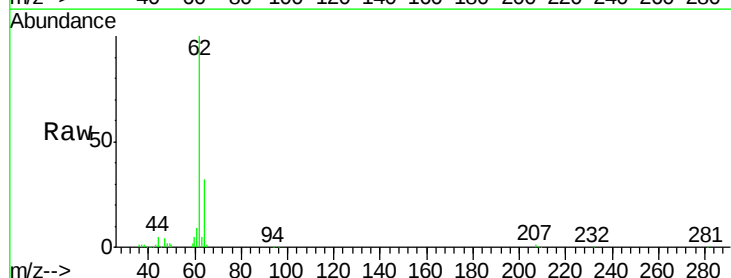
Acq: 15 May 2020 12:12

Tgt Ion: 62 Resp: 66694

Ion Ratio Lower Upper

62 100

64 32.3 26.2 39.4

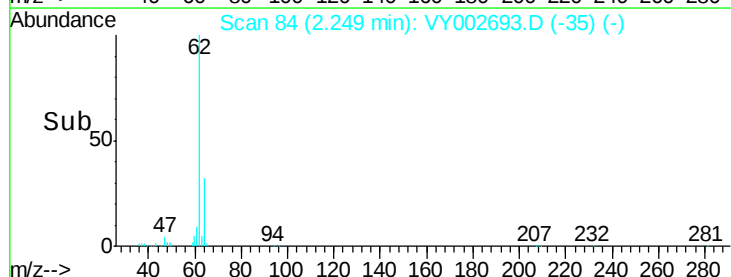


Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.25

Time-->



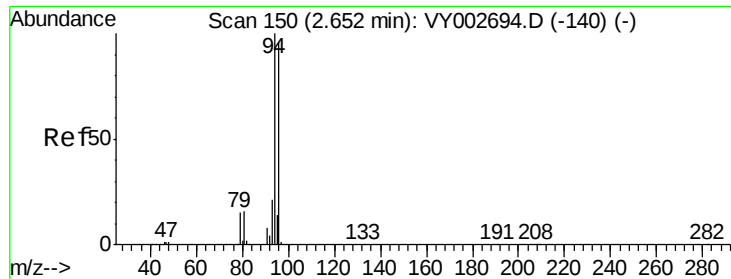
Abundance

Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.25

Time-->



#5

Bromomethane

Concen: 19.576 ug/l

RT: 2.64 min Scan# 148

Delta R.T. -0.01 min

Lab File: VY002693.D

Acq: 15 May 2020 12:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 45976

Ion Ratio Lower Upper

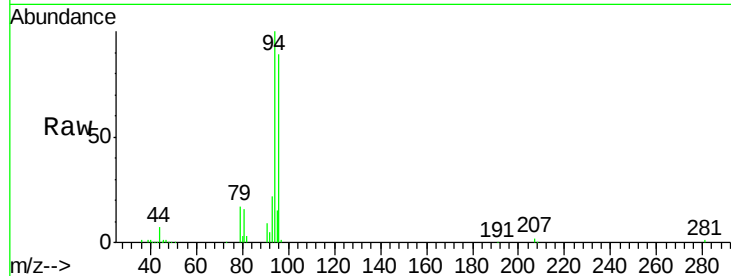
94 100

96 88.1 76.8 115.2

Manual Integrations
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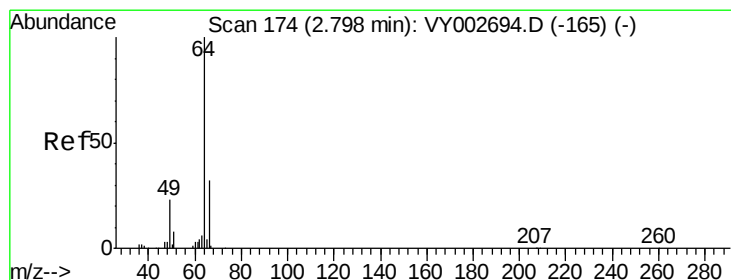
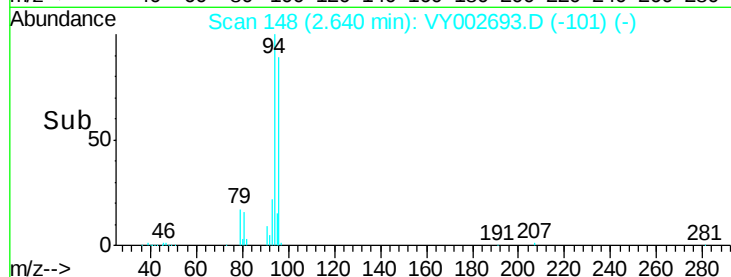
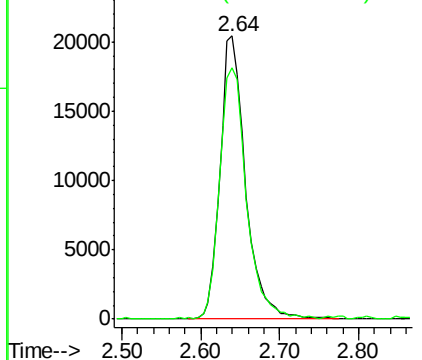
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 20.327 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.01 min

Lab File: VY002693.D

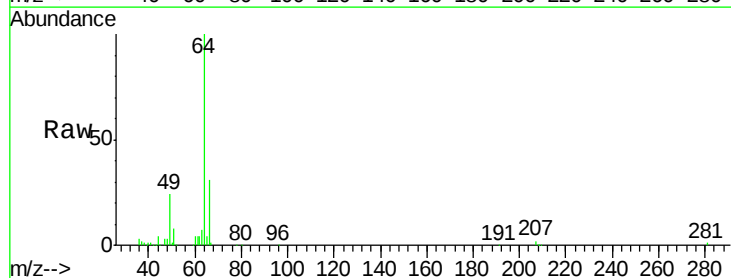
Acq: 15 May 2020 12:12

Tgt Ion: 64 Resp: 41159

Ion Ratio Lower Upper

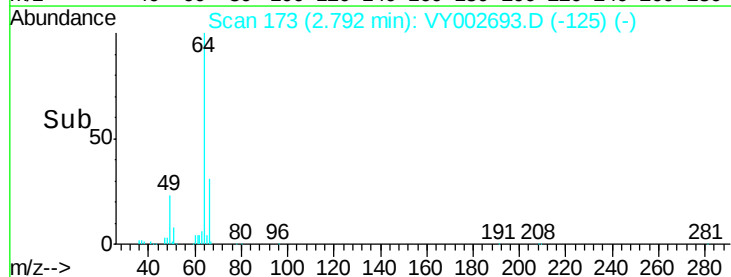
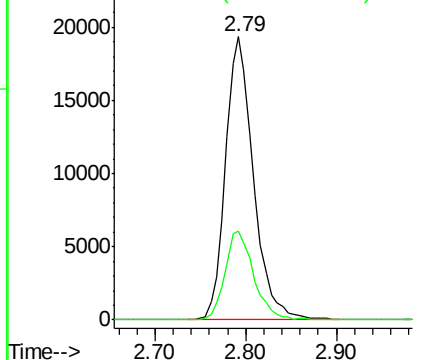
64 100

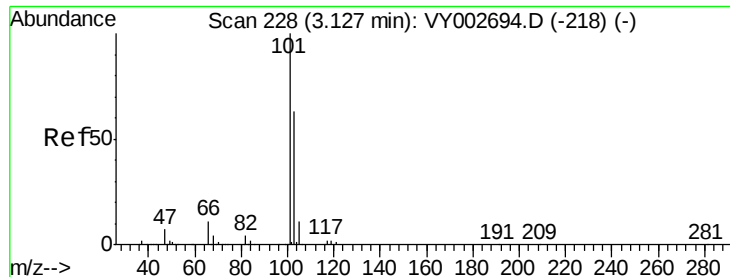
66 31.0 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

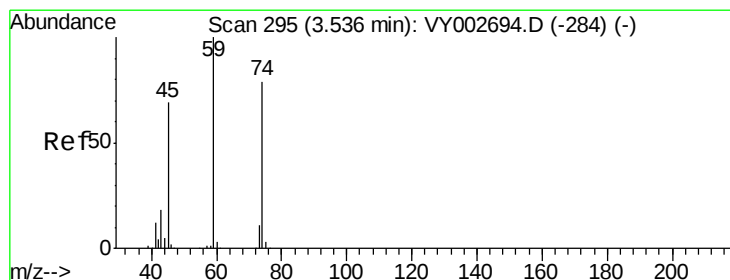
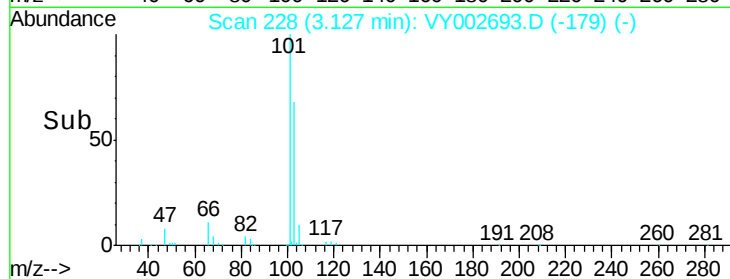
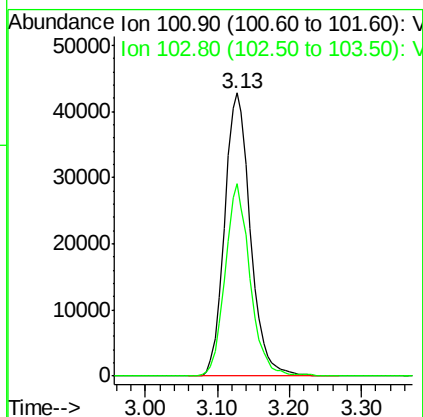
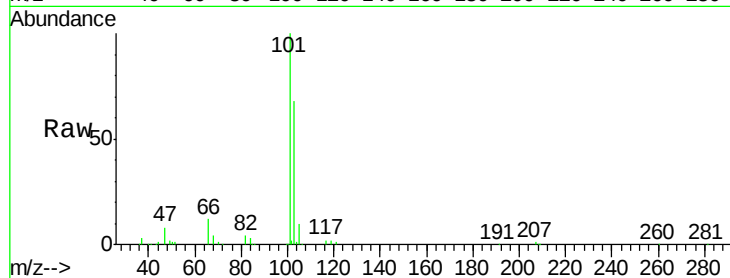
Trichlorofluoromethane
Concen: 20.174 ug/l
RT: 3.13 min Scan# 228
Delta R.T. 0.00 min
Lab File: VY002693.D
Acq: 15 May 2020 12:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
101	100	106626		
103	68.0	50.6	50.6	75.8

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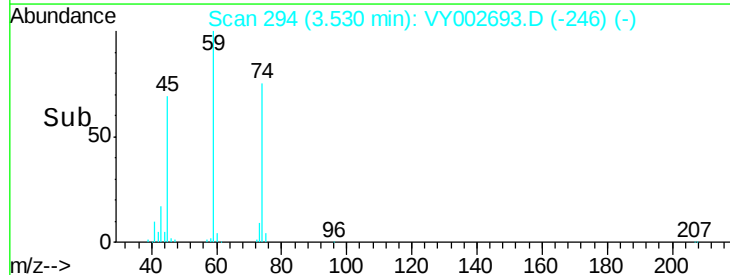
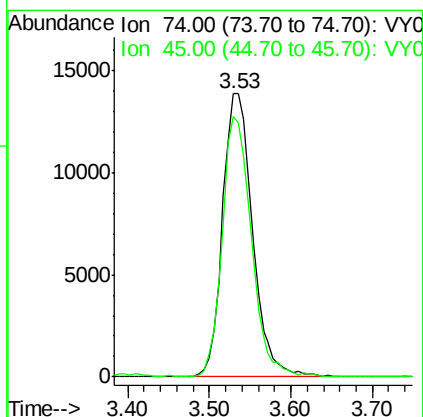
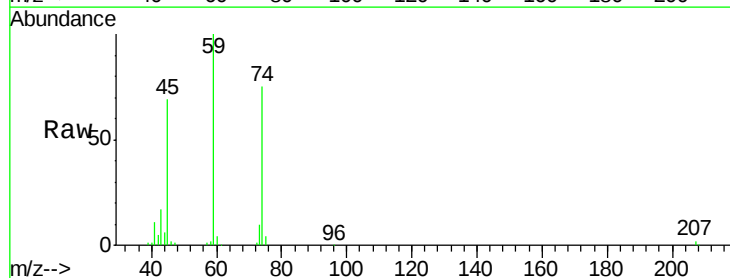
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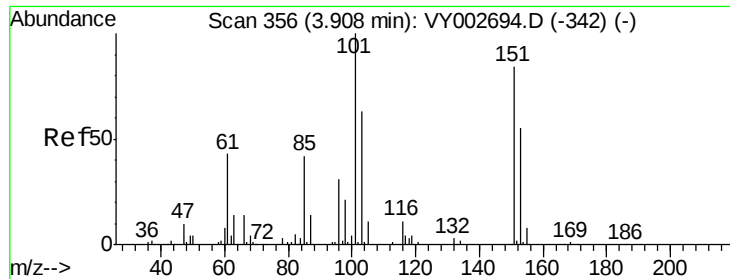


#8

Diethyl Ether
Concen: 19.670 ug/l
RT: 3.53 min Scan# 294
Delta R.T. -0.01 min
Lab File: VY002693.D
Acq: 15 May 2020 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	35295		
45	89.2	43.8	43.8	131.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.252 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.01 min

Lab File: VY002693.D

Acq: 15 May 2020 12:12

Instrument :

MSVOA_Y

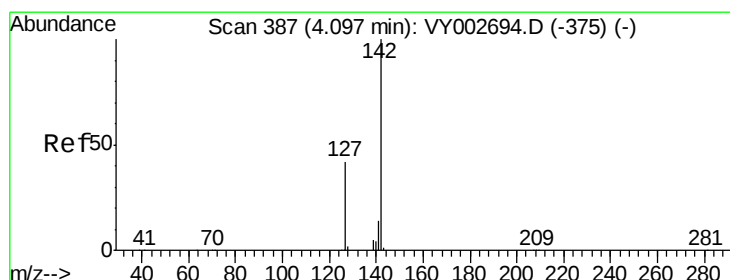
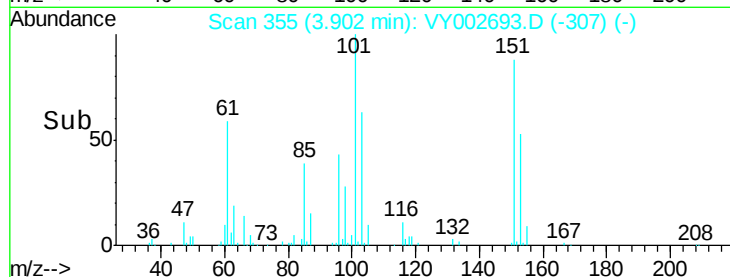
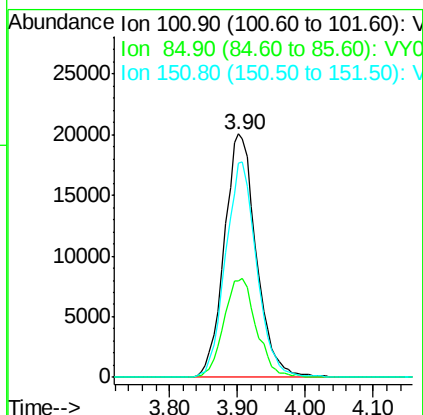
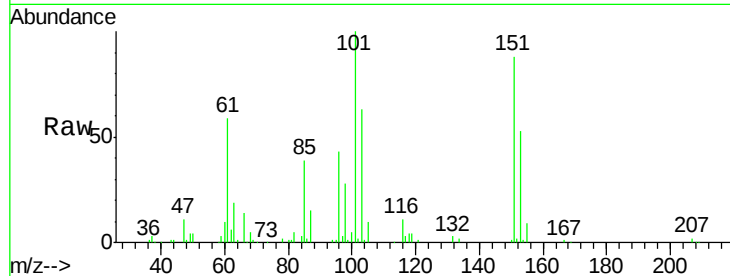
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	65414
Ion Ratio	Lower	Upper	
101	100		
85	41.1	33.5	50.3
151	86.1	69.6	104.4

Manual Integrations
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MMDadoda
5/18/2020 1:36:04 PM



#10

Methyl Iodide

Concen: 20.245 ug/l

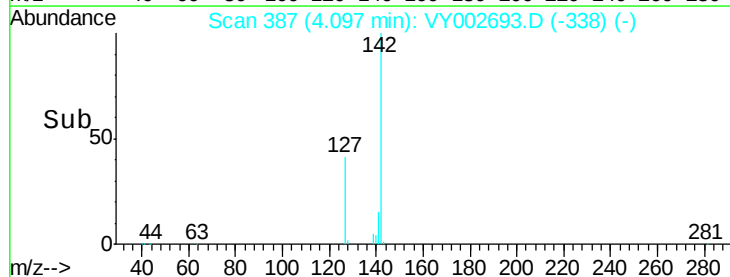
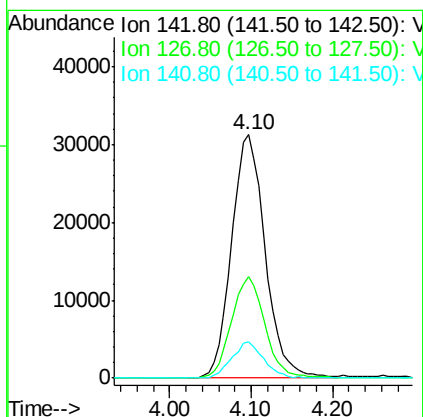
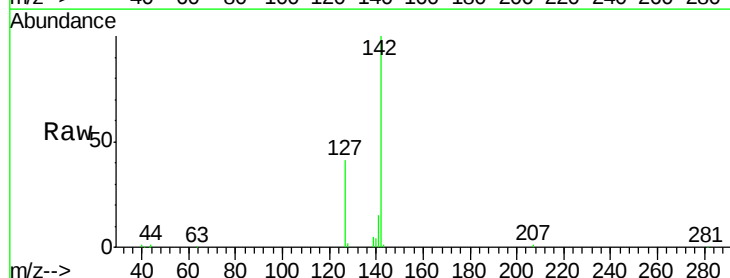
RT: 4.10 min Scan# 387

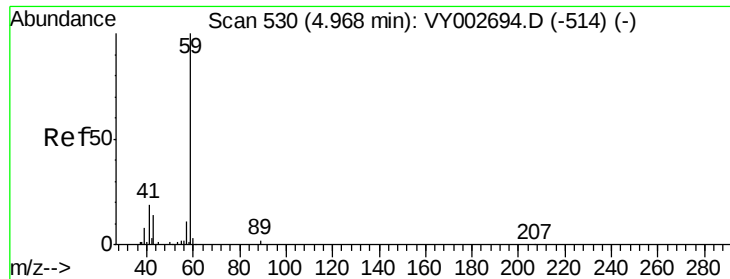
Delta R.T. 0.00 min

Lab File: VY002693.D

Acq: 15 May 2020 12:12

Tgt Ion:	142	Resp:	89253
Ion Ratio	Lower	Upper	
142	100		
127	41.0	32.8	49.2
141	14.2	11.3	16.9





#11

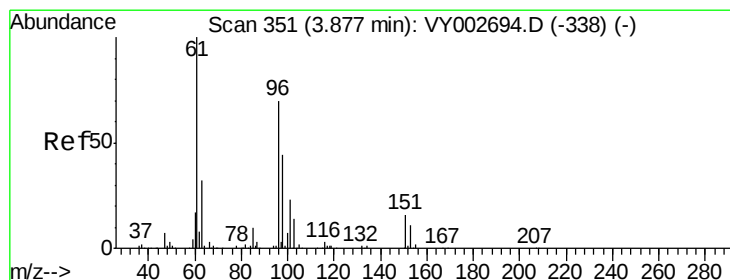
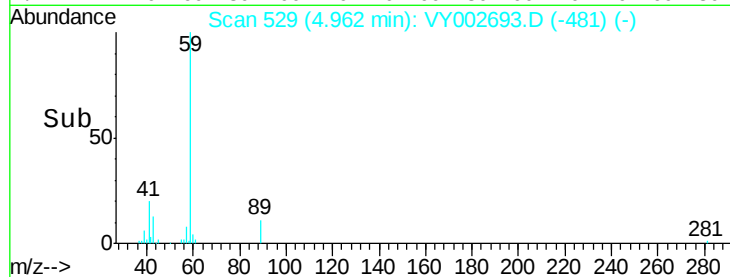
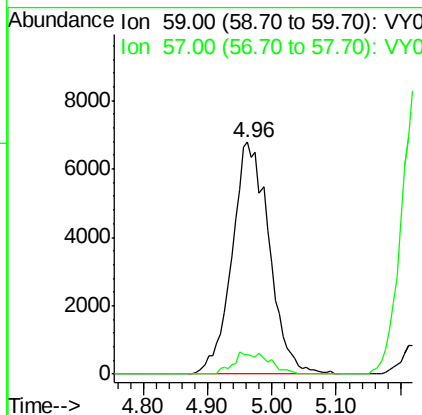
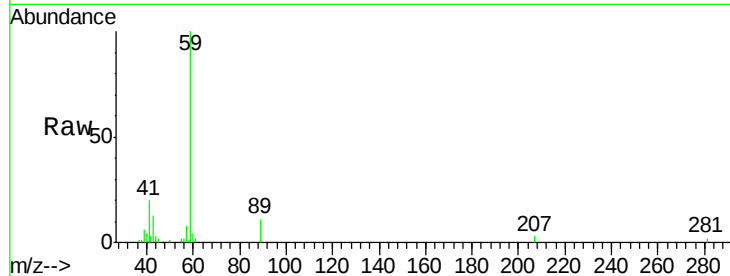
Tert butyl alcohol
Concen: 85.694 ug/l
RT: 4.96 min Scan# 529
Delta R.T. -0.01 min
Lab File: VY002693.D
Acq: 15 May 2020 12:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	9.0	7.7	11.5

Manual Integrations
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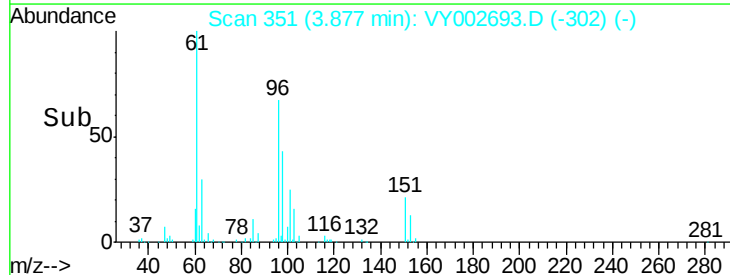
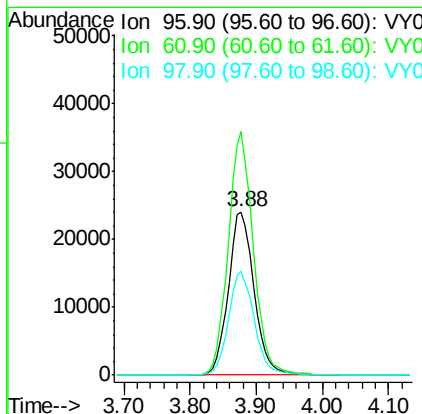
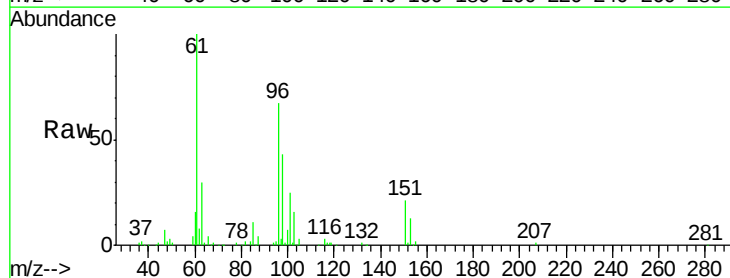
MMDadoda
5/18/2020 1:36:04 PM

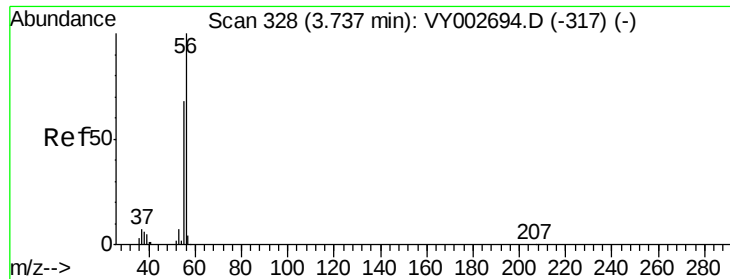


#12

1,1-Dichloroethene
Concen: 20.522 ug/l
RT: 3.88 min Scan# 351
Delta R.T. 0.00 min
Lab File: VY002693.D
Acq: 15 May 2020 12:12

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	148.9	113.8	170.8
98	98	63.9	50.4	75.6





#13

Acrolein

Concen: 142.111 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.00 min

Lab File: VY002693.D

Acq: 15 May 2020 12:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 33866

Ion Ratio Lower Upper

56 100

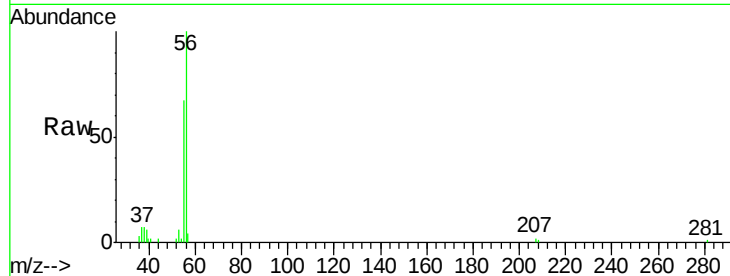
55 69.6 54.8 82.2

Manual Integrations

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MMDadoda

5/18/2020 1:36:04 PM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

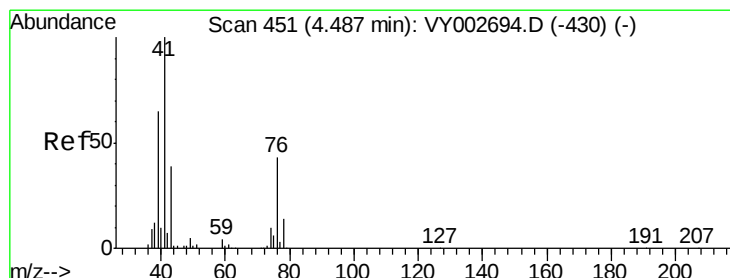
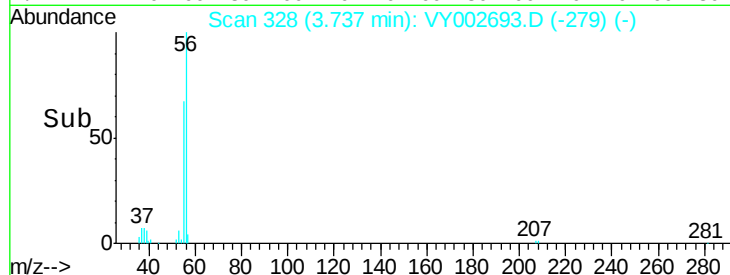
15000

10000

5000

0

Time--> 3.60 3.70 3.80 3.90



#14

Allyl chloride

Concen: 20.306 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.00 min

Lab File: VY002693.D

Acq: 15 May 2020 12:12

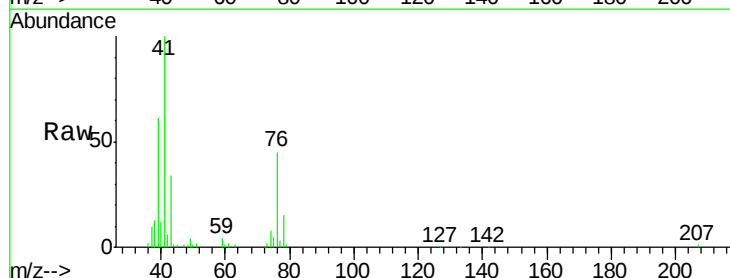
Tgt Ion: 41 Resp: 93129

Ion Ratio Lower Upper

41 100

39 62.0 50.3 75.5

76 41.1 33.2 49.8



Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0

40000

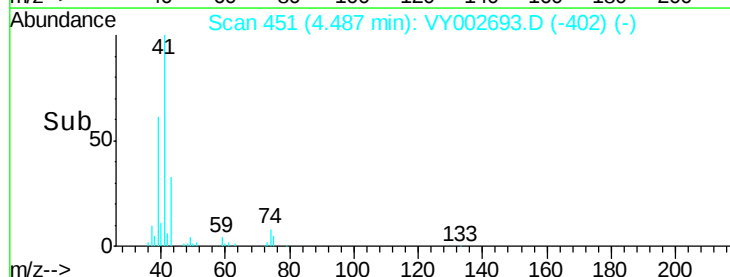
30000

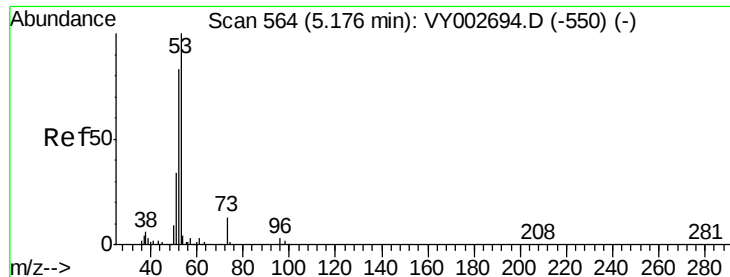
20000

10000

0

Time--> 4.30 4.40 4.50 4.60





#15

Acrylonitrile

Concen: 91.085 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.00 min

Lab File: VY002693.D

Acq: 15 May 2020 12:12

Instrument :

MSVOA_Y

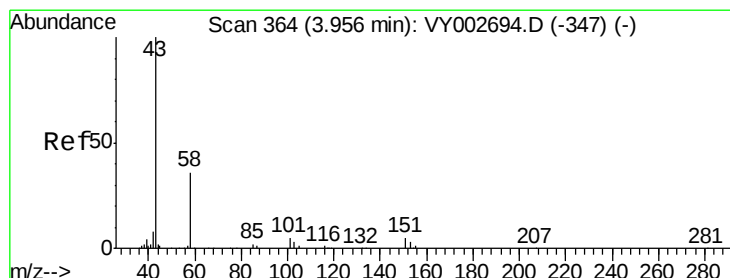
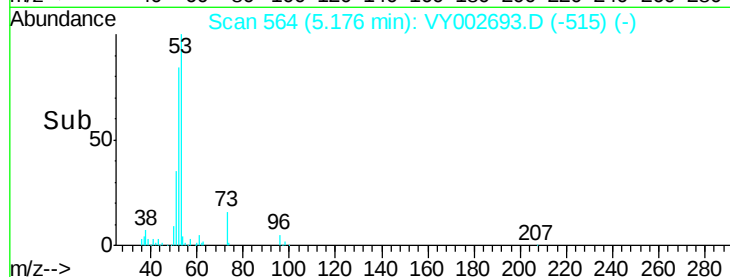
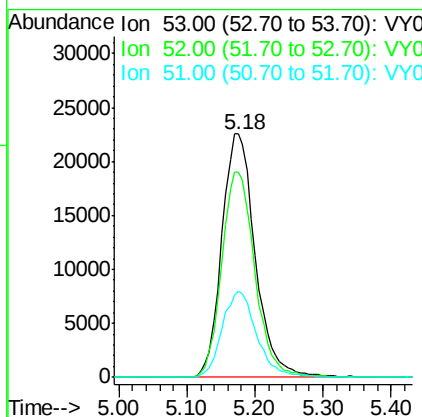
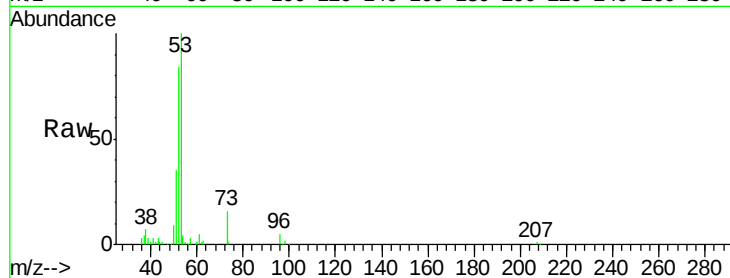
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	76796
Ion	Ratio	Lower	Upper
53	100		
52	83.5	65.0	97.6
51	36.5	27.9	41.9

Manual Integrations
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MMDadoda
5/18/2020 1:36:04 PM



#16

Acetone

Concen: 84.321 ug/l

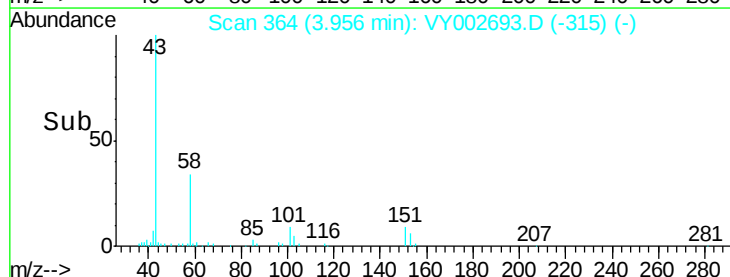
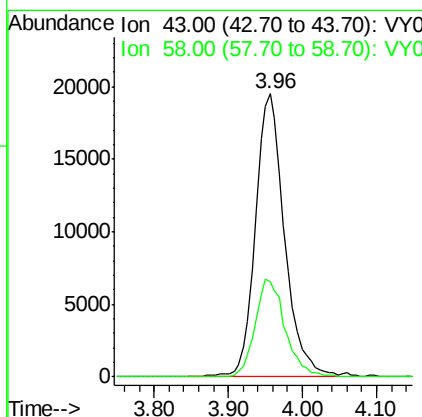
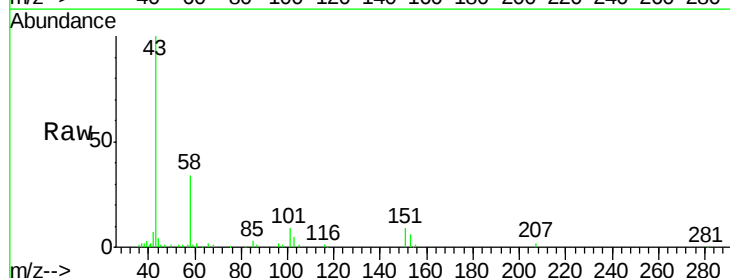
RT: 3.96 min Scan# 364

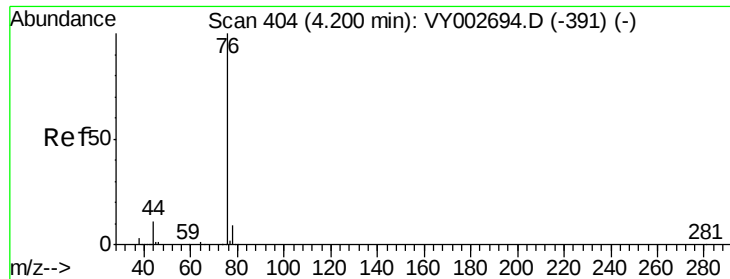
Delta R.T. 0.00 min

Lab File: VY002693.D

Acq: 15 May 2020 12:12

Tgt Ion:	43	Resp:	53379
Ion	Ratio	Lower	Upper
43	100		
58	33.6	28.6	43.0





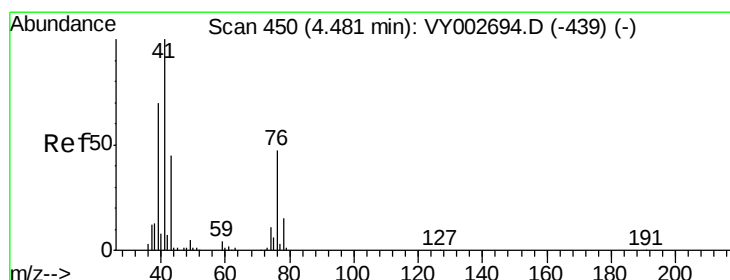
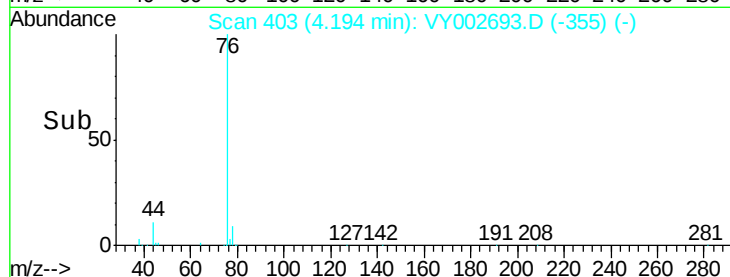
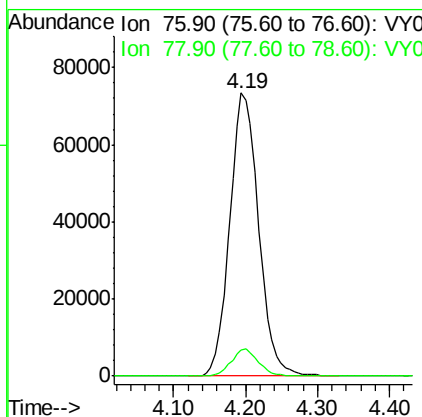
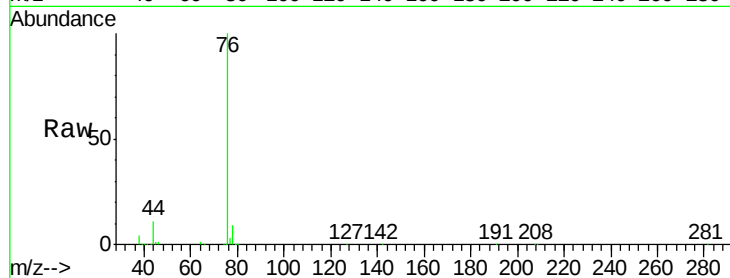
#17
Carbon Disulfide
Concen: 21.491 ug/l
RT: 4.19 min Scan# 403
Delta R.T. -0.01 min
Lab File: VY002693.D
Acq: 15 May 2020 12:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.1	10.7

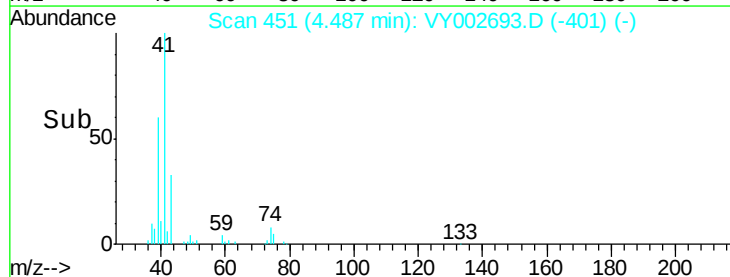
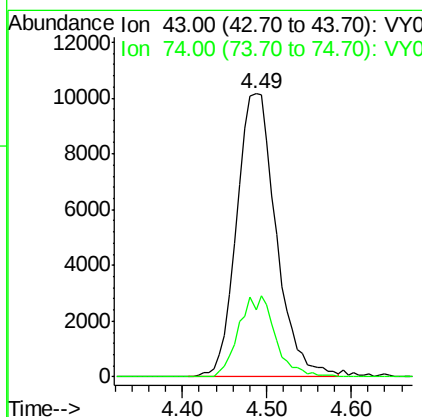
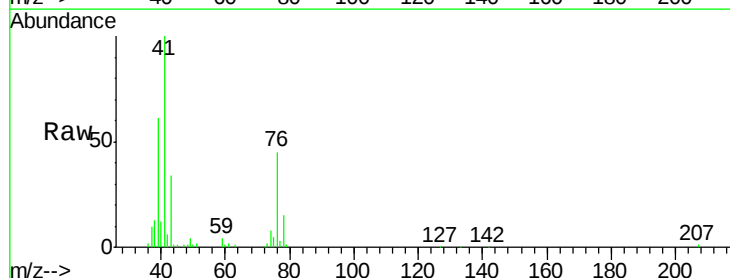
Manual Integrations
APPROVED

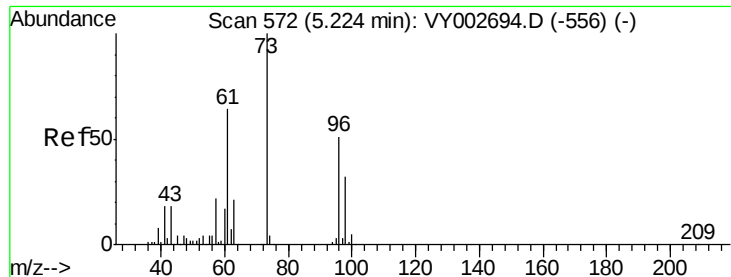
MMDadoda
5/18/2020 1:36:04 PM



#18
Methyl Acetate
Concen: 15.543 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.01 min
Lab File: VY002693.D
Acq: 15 May 2020 12:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.5	21.1	31.7





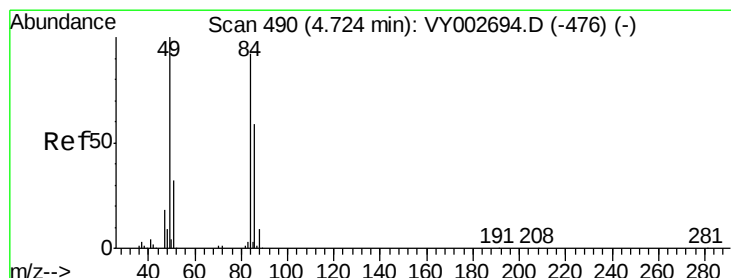
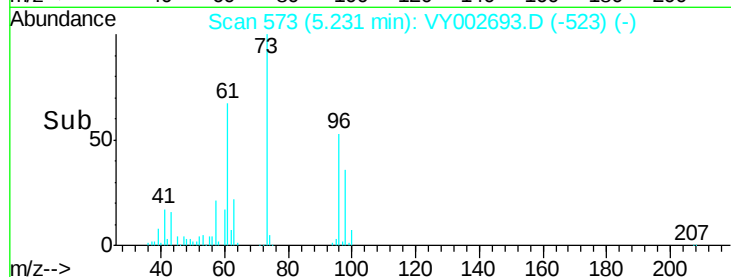
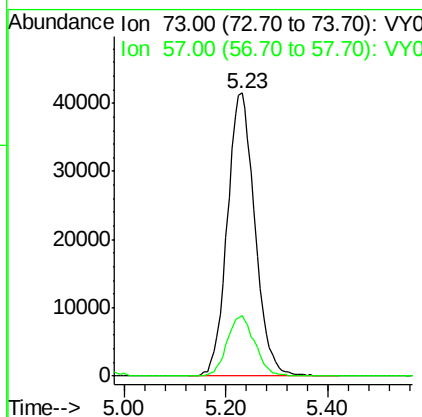
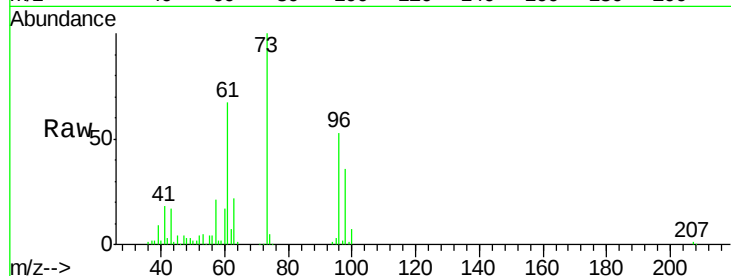
#19
Methvl tert-butvl Ether
Concen: 18.915 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY002693.D
Acq: 15 May 2020 12:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 155475
Ion Ratio Lower Upper
73 100
57 21.3 17.3 25.9

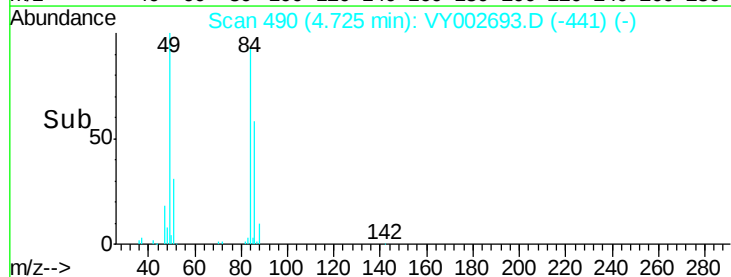
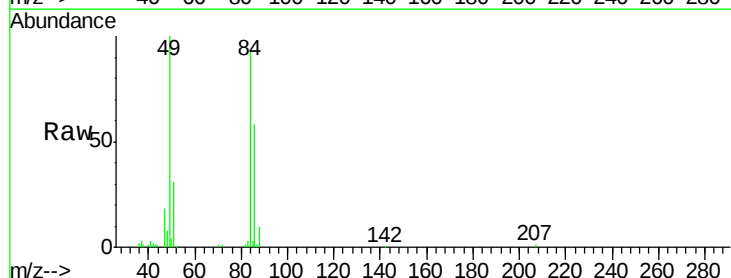
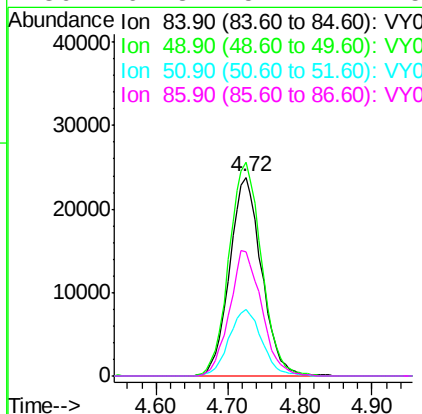
Manual Integrations
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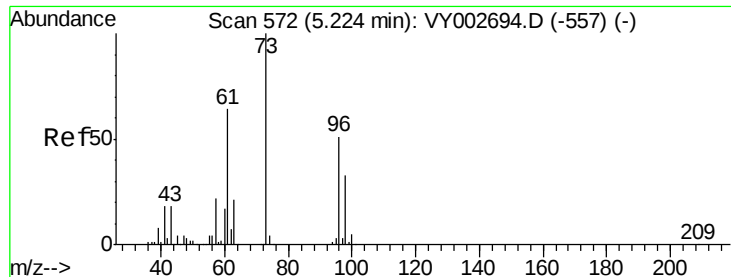
MMDadoda
5/18/2020 1:36:04 PM



#20
Methylene Chloride
Concen: 20.550 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY002693.D
Acq: 15 May 2020 12:12

Tgt Ion: 84 Resp: 73518
Ion Ratio Lower Upper
84 100
49 107.4 87.4 131.0
51 33.3 27.9 41.9
86 62.3 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 20.787 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.00 min

Lab File: VY002693.D

Acq: 15 May 2020 12:12

Instrument :

MSVOA_Y

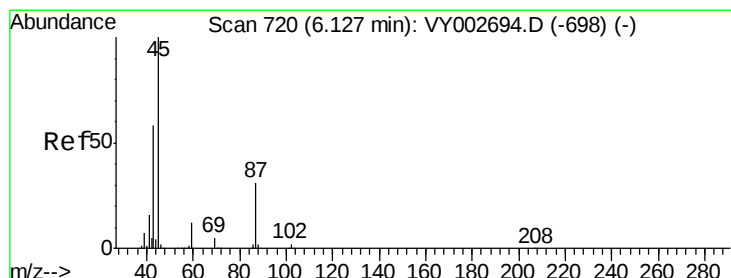
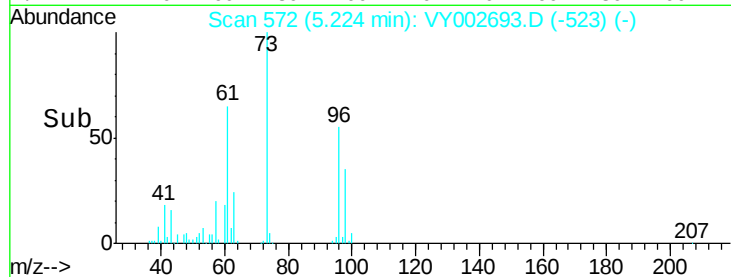
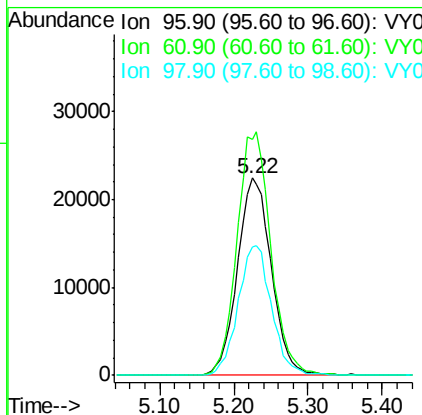
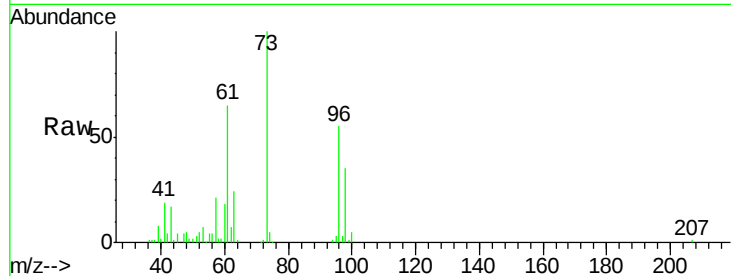
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	72039
Ion	Ratio	Lower	Upper
96	100		
61	119.9	99.6	149.4
98	64.9	50.6	76.0

Manual Integrations
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MMDadoda
5/18/2020 1:36:04 PM



#22

Diisopropyl ether

Concen: 20.020 ug/l

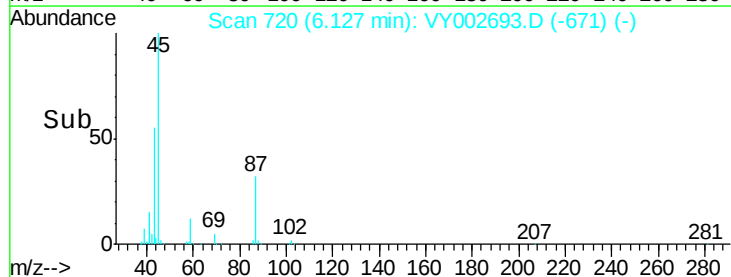
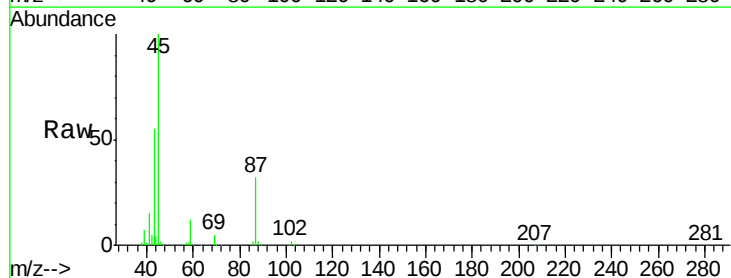
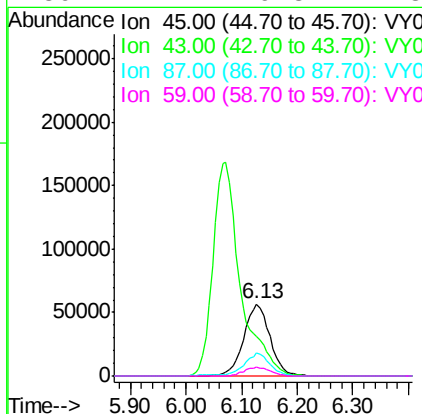
RT: 6.13 min Scan# 720

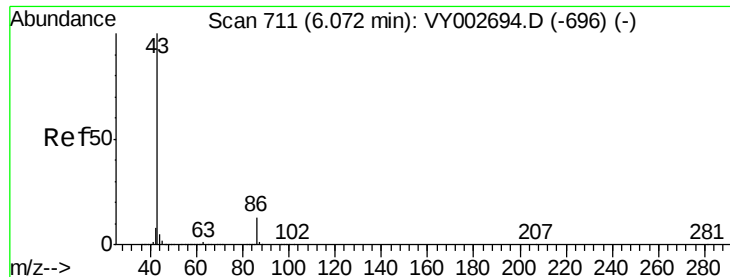
Delta R.T. 0.00 min

Lab File: VY002693.D

Acq: 15 May 2020 12:12

Tgt Ion:	45	Resp:	186145
Ion	Ratio	Lower	Upper
45	100		
43	54.4	46.1	69.1
87	31.7	24.9	37.3
59	11.7	9.8	14.8





#23

Vinyl Acetate

Concen: 98.588 ug/l

RT: 6.07 min Scan# 711

Delta R.T. 0.00 min

Lab File: VY002693.D

Acq: 15 May 2020 12:12

Tot Ion: 43 Resp: 577830

Ion Ratio Lower Upper

43 100

86 12.3 10.1 15.1

Instrument :

MSVOA_Y

ClientSampleId :

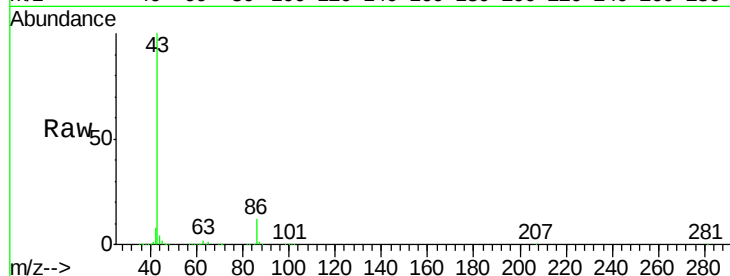
VSTDIC020

Manual Integrations

APPROVED

MMDadoda

5/18/2020 1:36:04 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

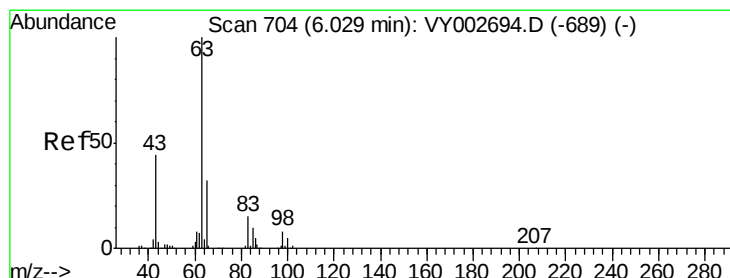
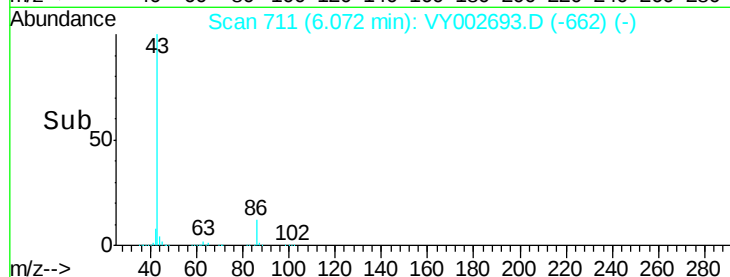
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.315 ug/l

RT: 6.03 min Scan# 704

Delta R.T. 0.00 min

Lab File: VY002693.D

Acq: 15 May 2020 12:12

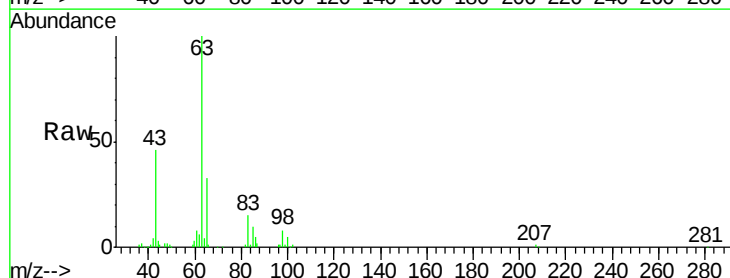
Tgt Ion: 63 Resp: 111619

Ion Ratio Lower Upper

63 100

98 8.4 4.0 11.9

100 5.3 2.5 7.6



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.03

40000

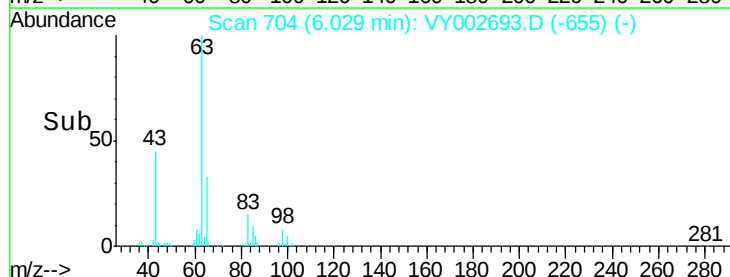
30000

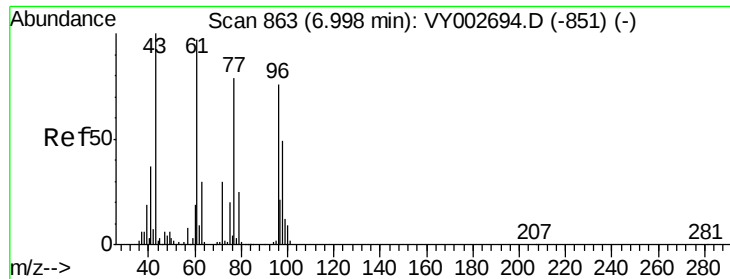
20000

10000

0

Time-->





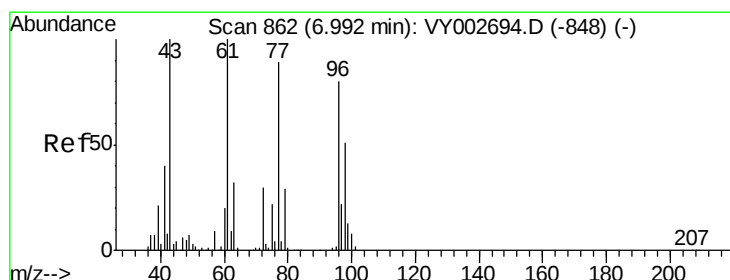
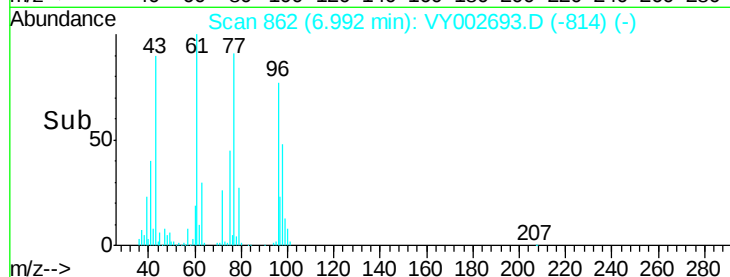
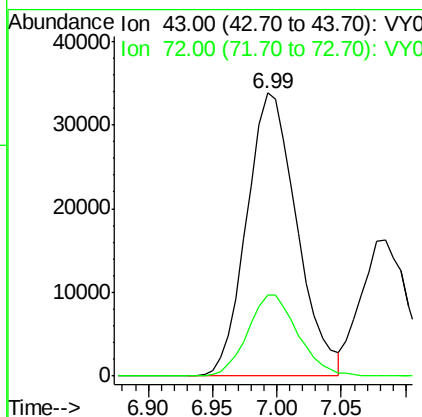
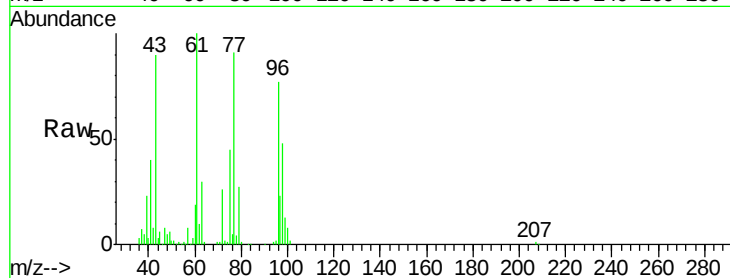
#25
2-Butanone
Concen: 88.445 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY002693.D
Acq: 15 May 2020 12:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 91493
Ion Ratio Lower Upper
43 100
72 28.8 24.1 36.1

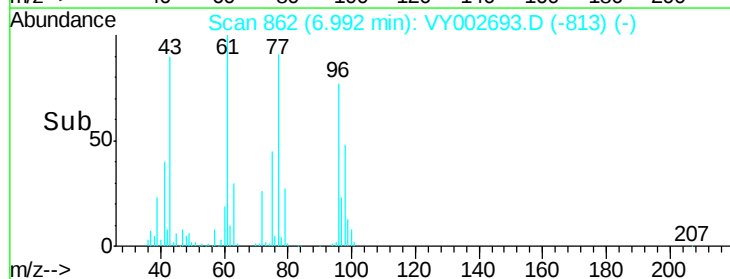
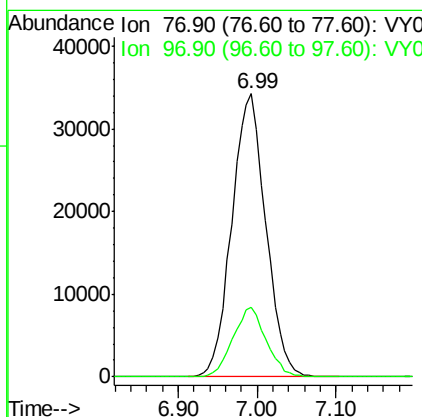
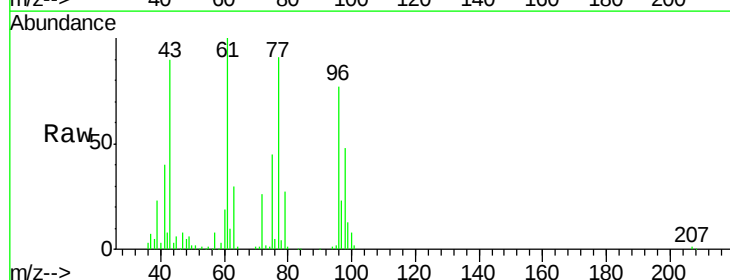
Manual Integrations
APPROVED

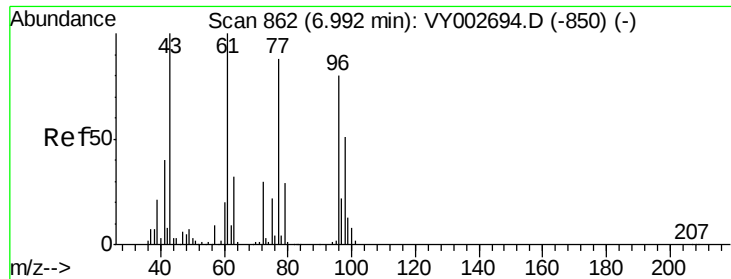
MMDadoda
5/18/2020 1:36:04 PM



#26
2,2-Dichloropropane
Concen: 19.673 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY002693.D
Acq: 15 May 2020 12:12

Tgt Ion: 77 Resp: 102494
Ion Ratio Lower Upper
77 100
97 24.0 12.3 36.9





#27

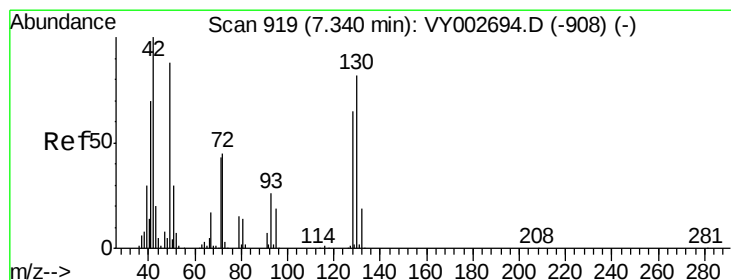
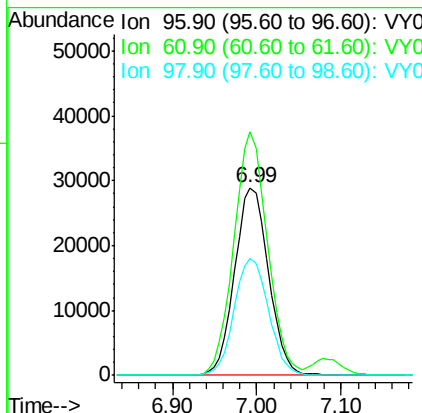
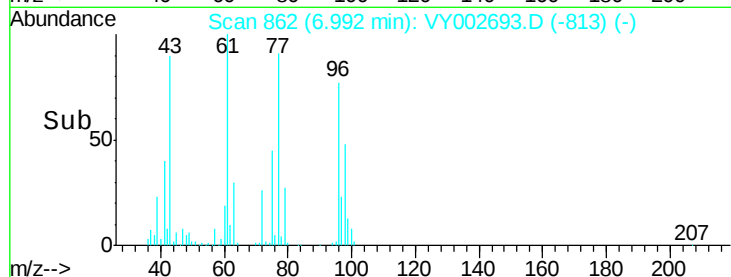
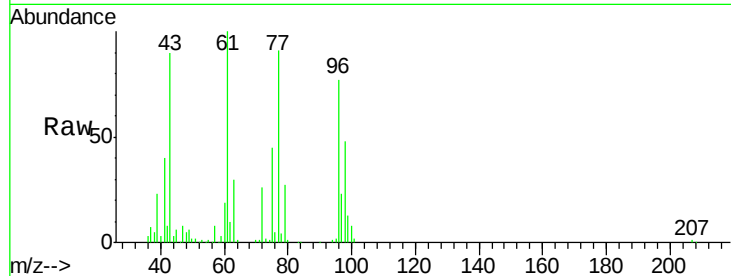
cis-1,2-Dichloroethene
Concen: 20.545 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY002693.D
Acq: 15 May 2020 12:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.3	0.0	258.0
98	63.0	0.0	128.4

Manual Integrations
APPROVED

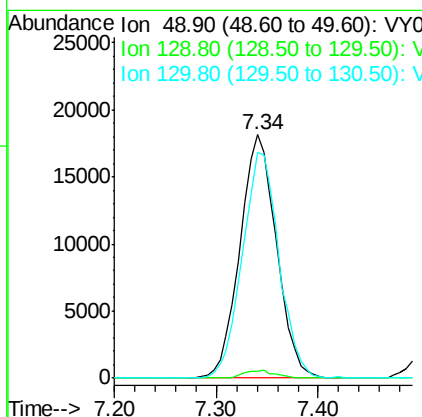
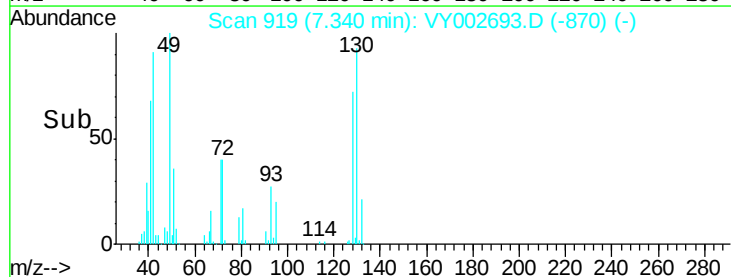
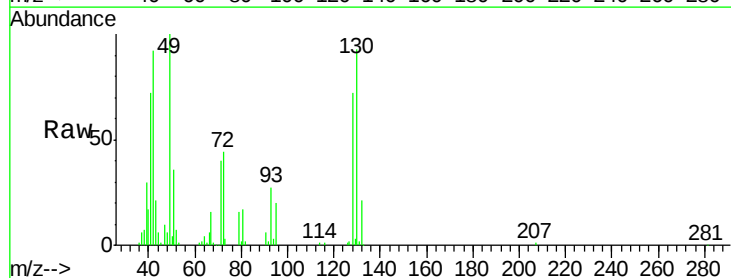
MMDadoda
5/18/2020 1:36:04 PM

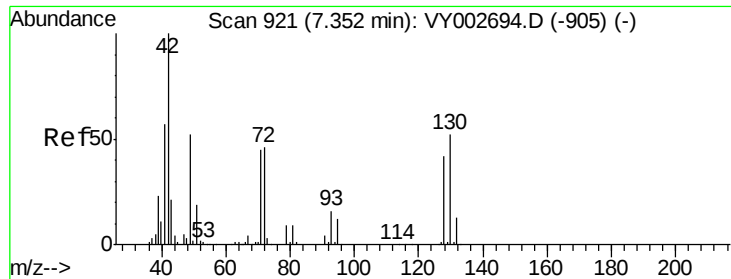


#28

Bromochloromethane
Concen: 20.101 ug/l
RT: 7.34 min Scan# 919
Delta R.T. 0.00 min
Lab File: VY002693.D
Acq: 15 May 2020 12:12

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.6
130	93.4	75.3	112.9





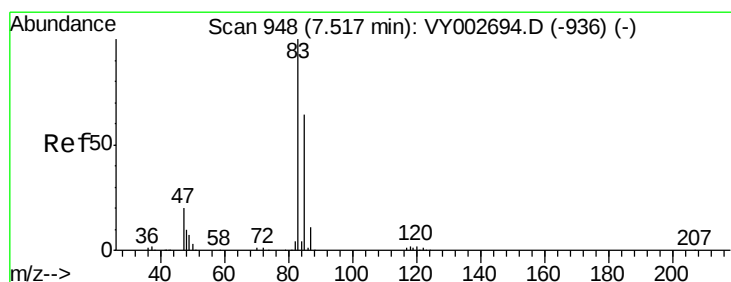
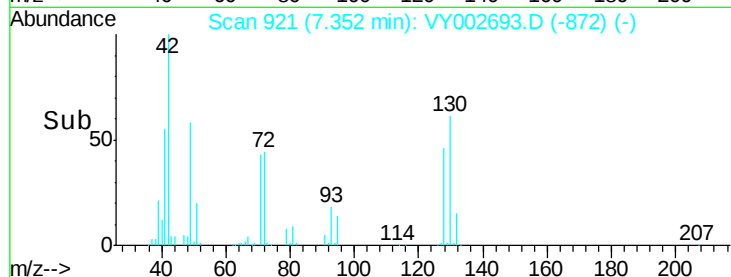
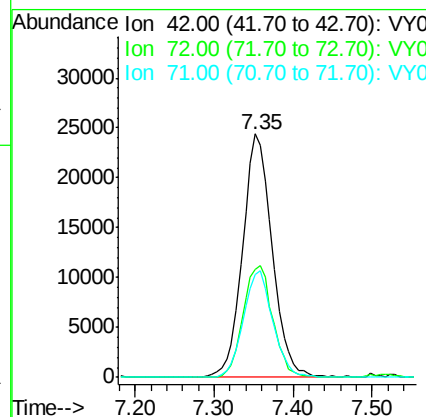
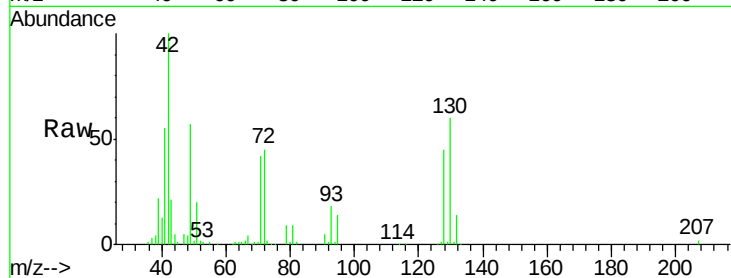
#29
Tetrahydrofuran
Concen: 92.775 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.00 min
Lab File: VY002693.D
Acq: 15 May 2020 12:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.0	38.2	57.2
71	43.4	35.8	53.8

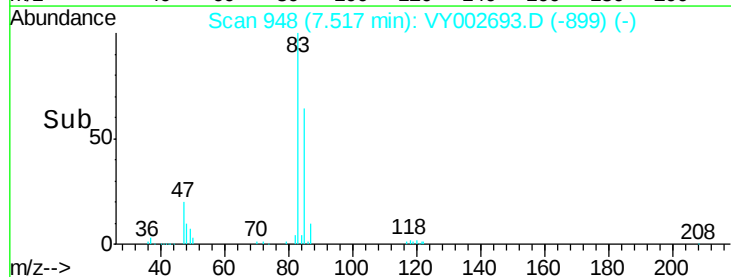
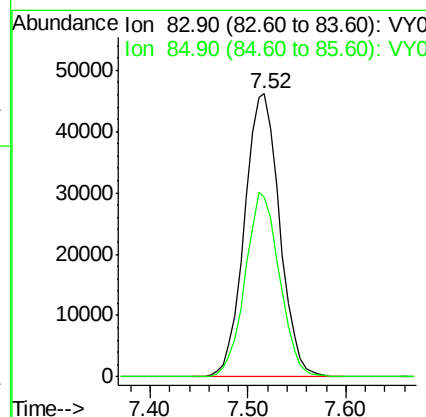
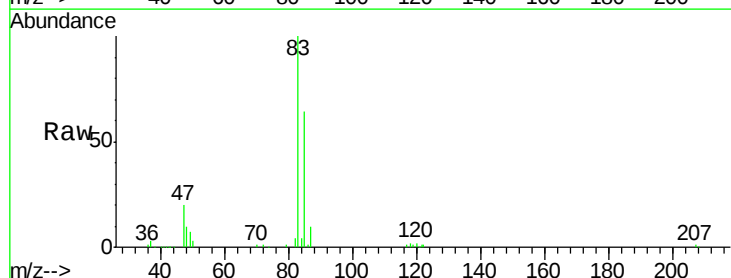
Manual Integrations
APPROVED

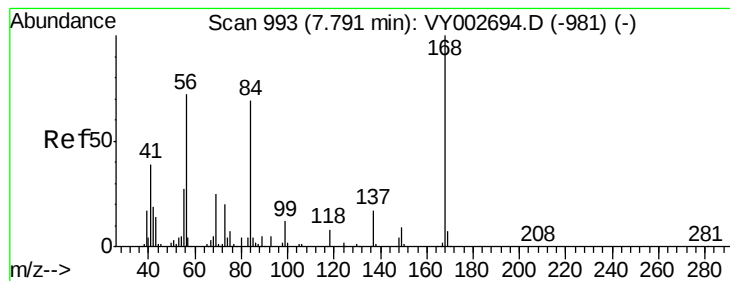
MMDadoda
5/18/2020 1:36:04 PM



#30
Chloroform
Concen: 20.001 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY002693.D
Acq: 15 May 2020 12:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.5	77.3





#31

Cyclohexane

Concen: 20.151 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY002693.D

Acq: 15 May 2020 12:12

Instrument :

MSVOA_Y

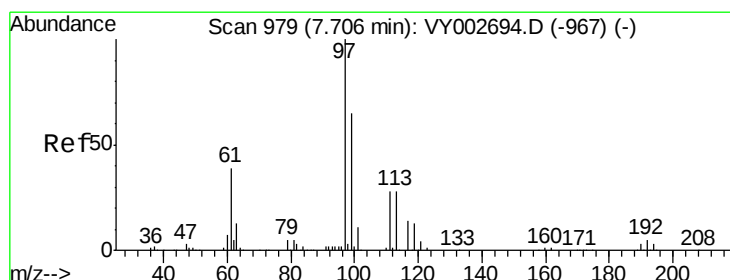
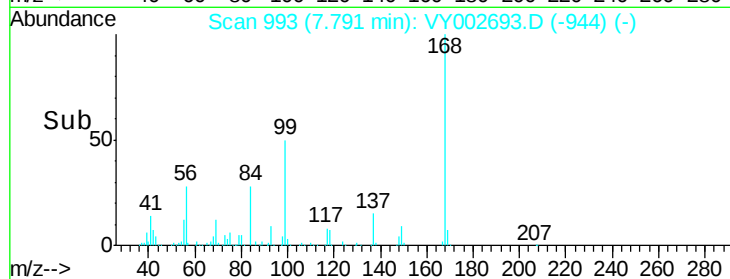
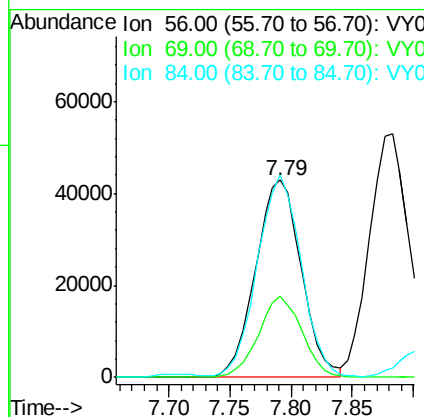
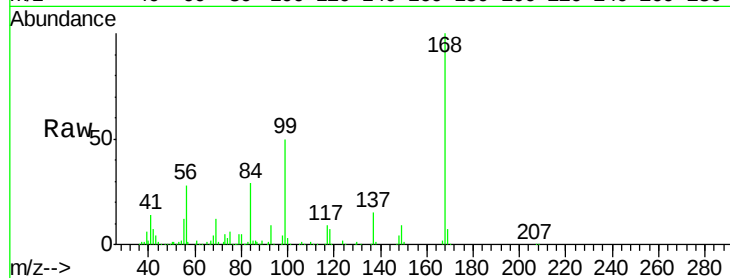
ClientSampleId :

VSTDIC020

Tot Ion	56	Resp	111638
Ion	Ratio	Lower	Upper
56	100		
69	41.1	27.7	41.5
84	101.2	77.0	115.4

Manual Integrations
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5/18/2020 1:36:04 PM



#32

1,1,1-Trichloroethane

Concen: 20.088 ug/l

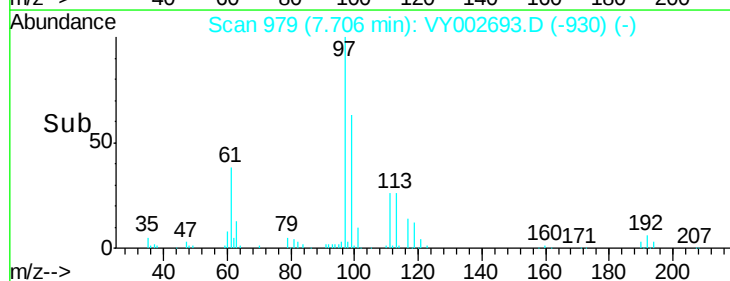
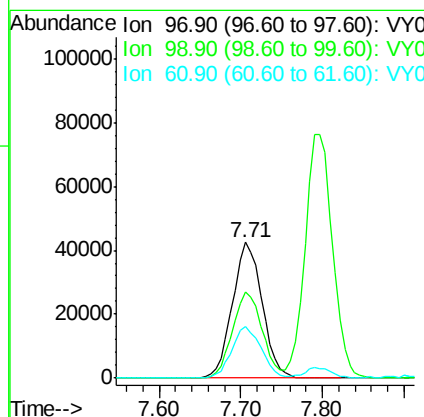
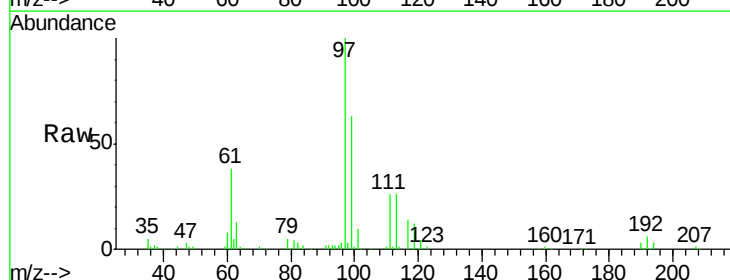
RT: 7.71 min Scan# 979

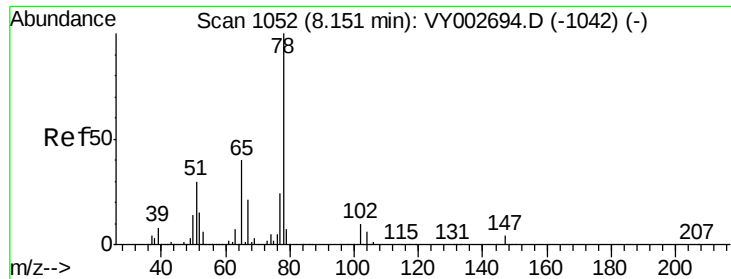
Delta R.T. 0.00 min

Lab File: VY002693.D

Acq: 15 May 2020 12:12

Tgt Ion	97	Resp	106725
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.6	77.4
61	37.8	30.6	45.8





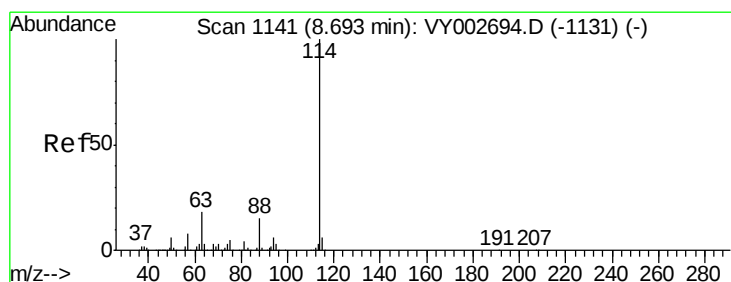
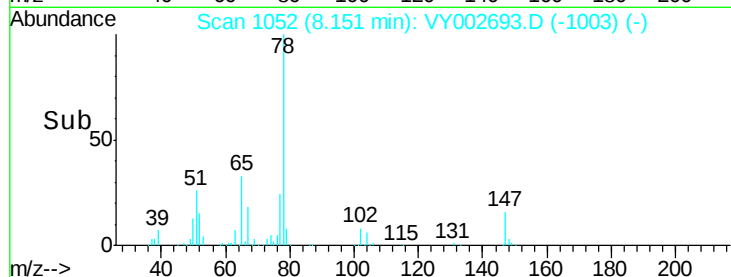
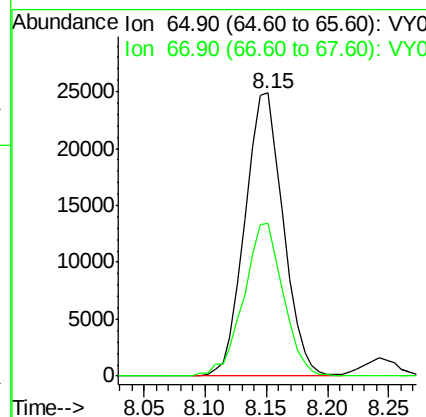
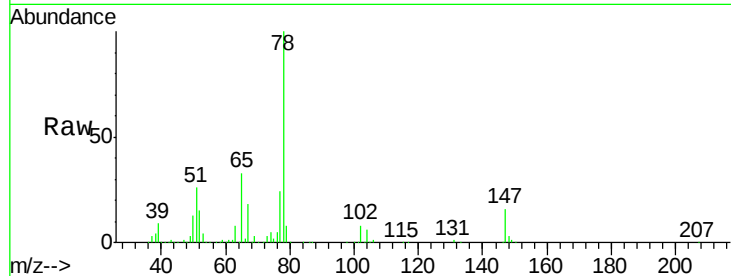
#33
 1,2-Dichloroethane-d4
 Concen: 17.664 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY002693.D
 Acq: 15 May 2020 12:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.3	0.0	109.0	

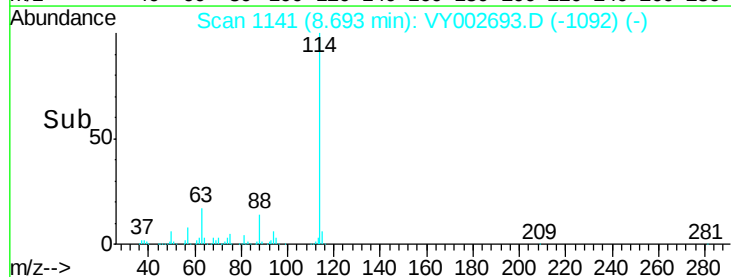
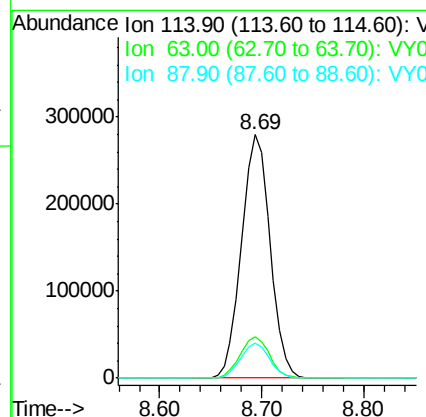
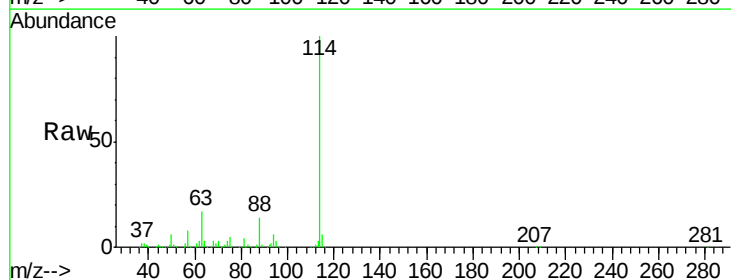
Manual Integrations
 APPROVED

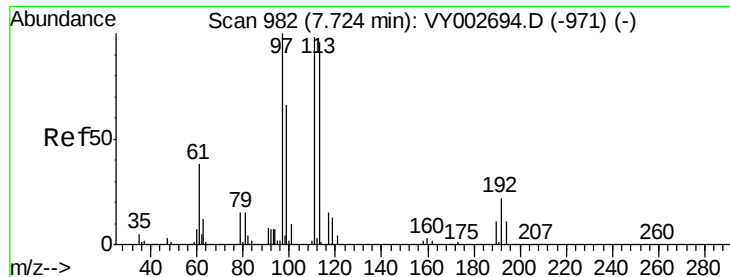
MMDadoda
 5/18/2020 1:36:04 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY002693.D
 Acq: 15 May 2020 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	16.8	0.0	35.4	
88	14.5	0.0	29.4	





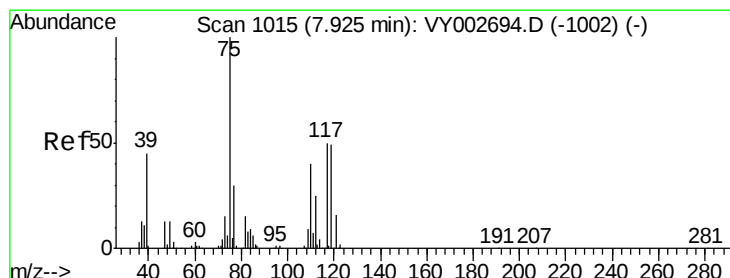
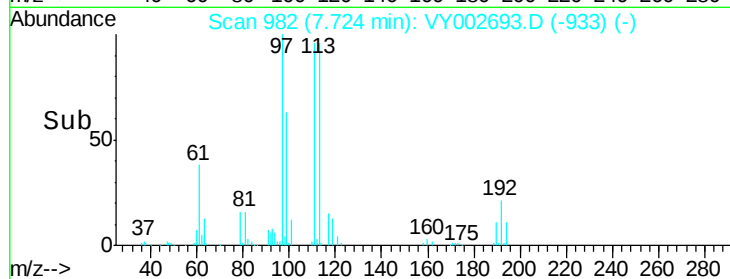
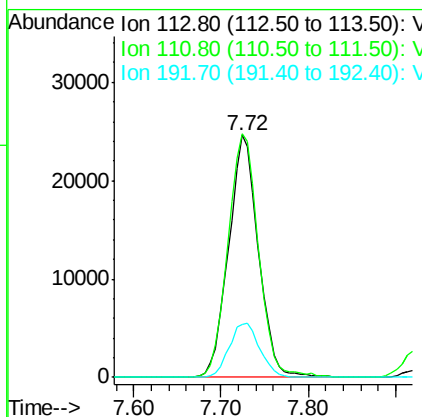
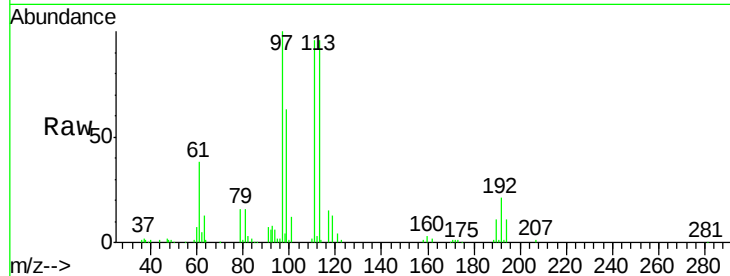
#35
Dibromofluoromethane
Concen: 18.770 ug/l
RT: 7.72 min Scan# 982
Delta R.T. 0.00 min
Lab File: VY002693.D
Acq: 15 May 2020 12:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.9	122.9
192	22.9	18.6	27.8

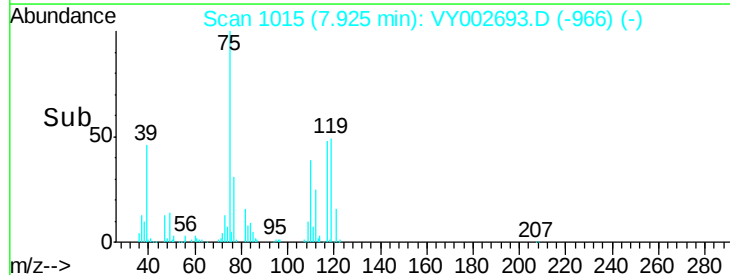
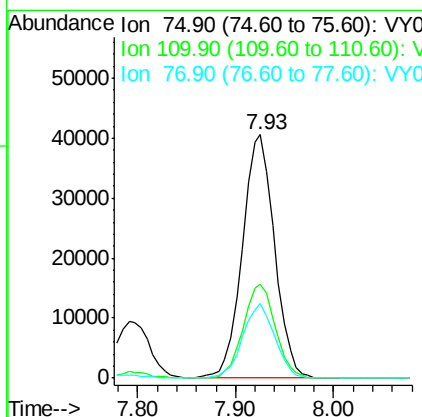
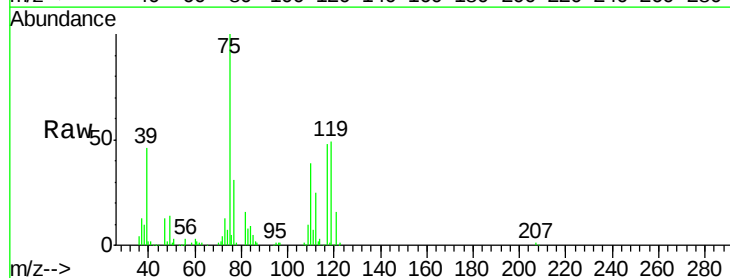
Manual Integrations
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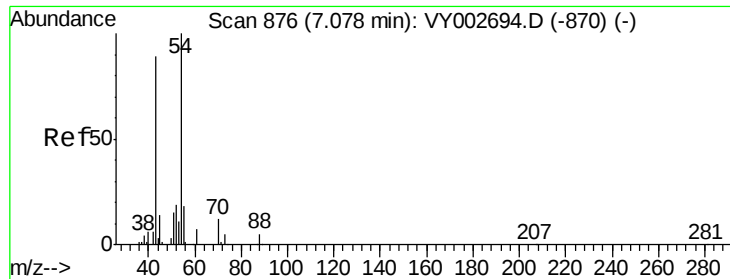
MMDadoda
5/18/2020 1:36:04 PM



#36
1,1-Dichloropropene
Concen: 20.397 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VY002693.D
Acq: 15 May 2020 12:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.6	19.4	58.4
77	30.7	25.0	37.4





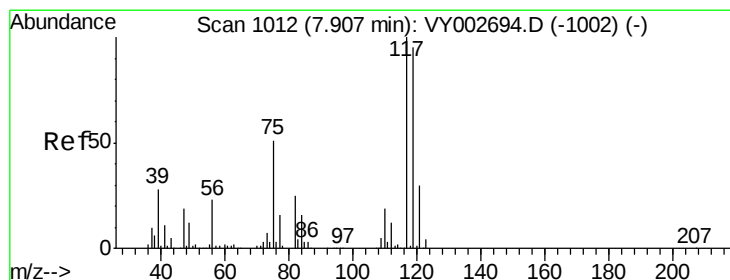
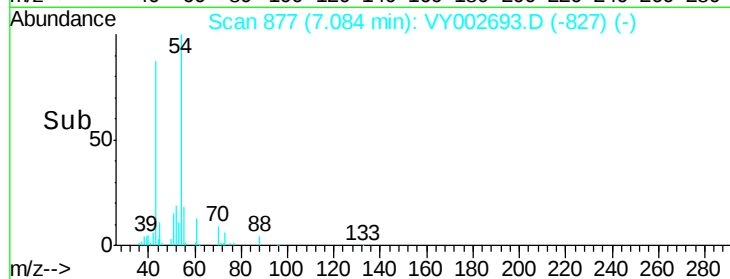
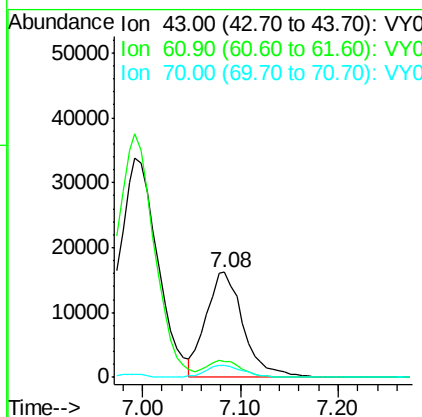
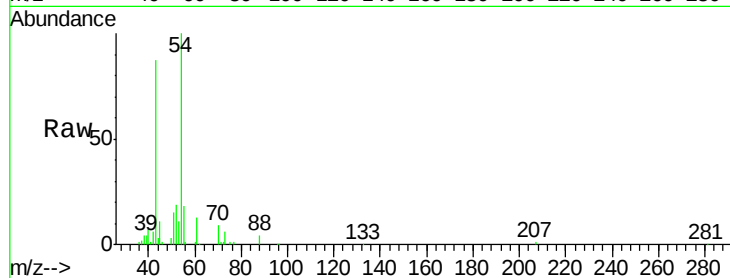
#37
Ethyl Acetate
Concen: 18.315 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.01 min
Lab File: VY002693.D
Acq: 15 May 2020 12:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.8	17.8
70	11.6	9.2	13.8

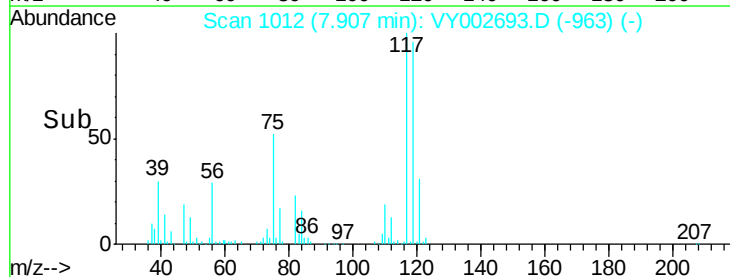
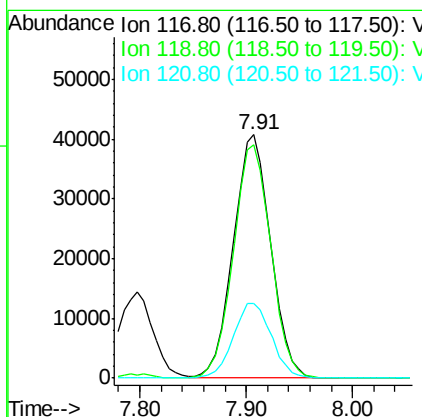
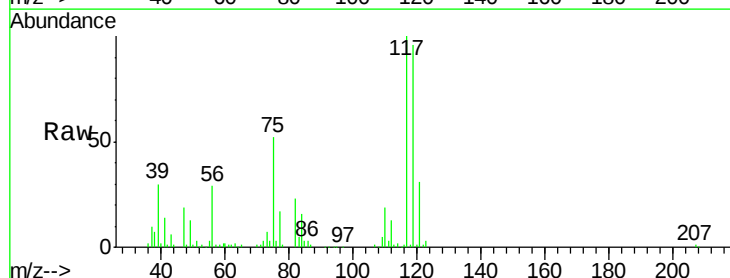
Manual Integrations
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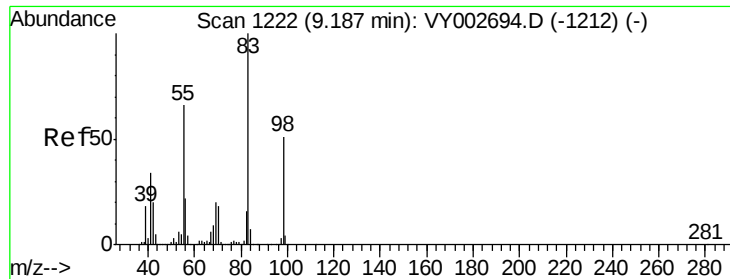
MMDadoda
5/18/2020 1:36:04 PM



#38
Carbon Tetrachloride
Concen: 20.276 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY002693.D
Acq: 15 May 2020 12:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.3	114.5
121	30.9	24.2	36.2





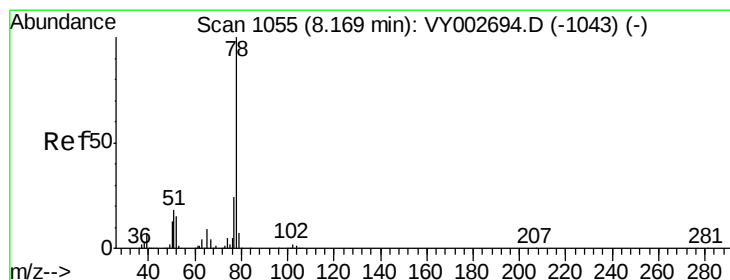
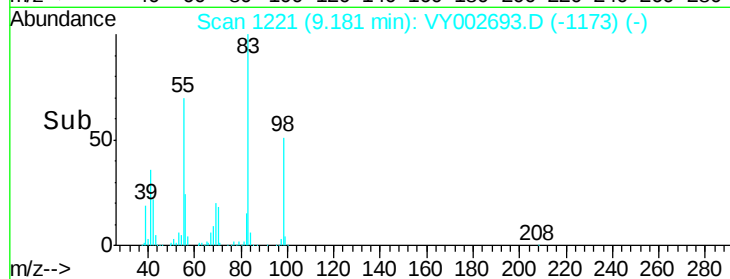
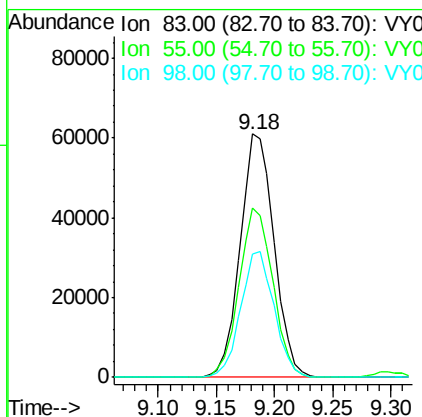
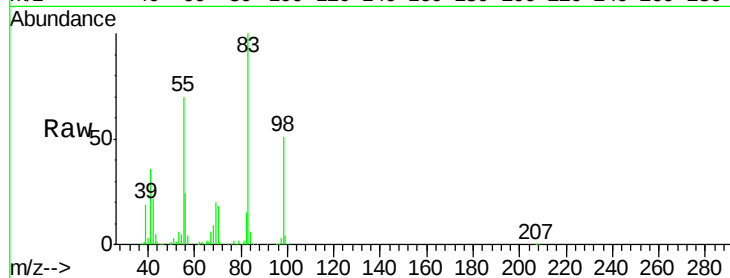
#39
Methvlcvclohexane
Concen: 20.637 ug/l
RT: 9.18 min Scan# 1221
Delta R.T. -0.01 min
Lab File: VY002693.D
Acq: 15 May 2020 12:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.6	53.0	79.6
98	50.6	40.8	61.2

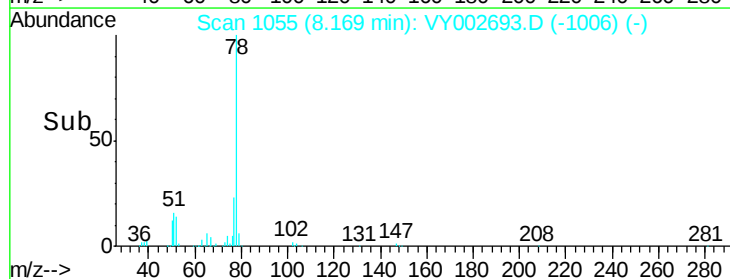
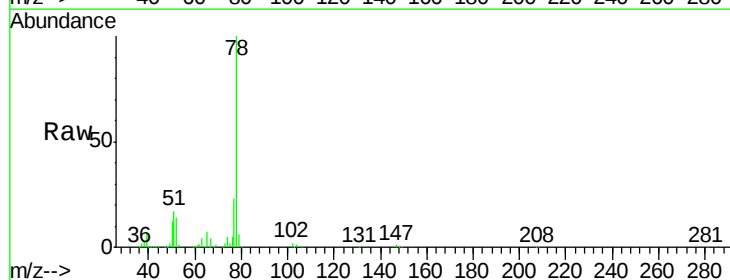
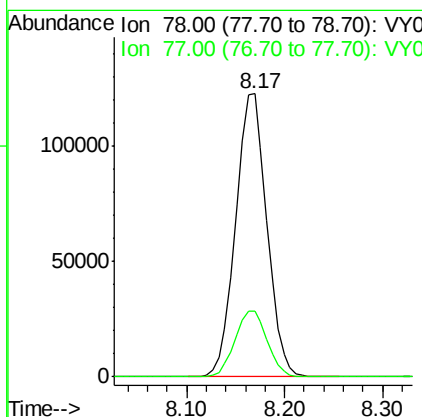
Manual Integrations
APPROVED

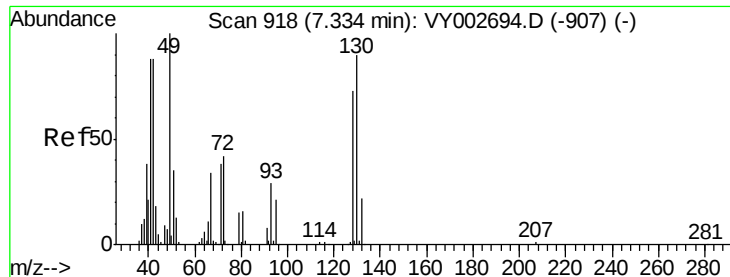
MMDadoda
5/18/2020 1:36:04 PM



#40
Benzene
Concen: 20.637 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY002693.D
Acq: 15 May 2020 12:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.2	28.8





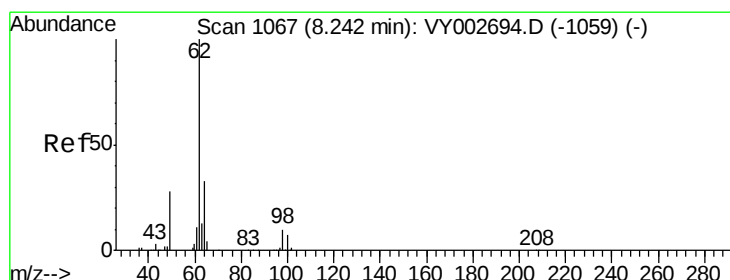
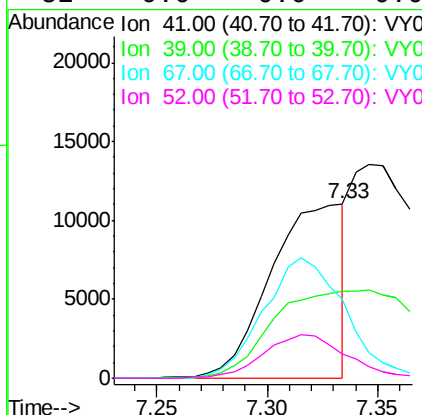
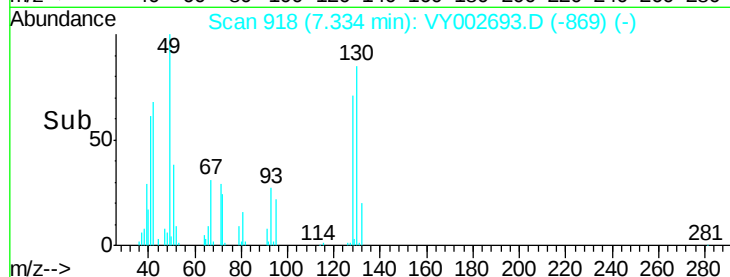
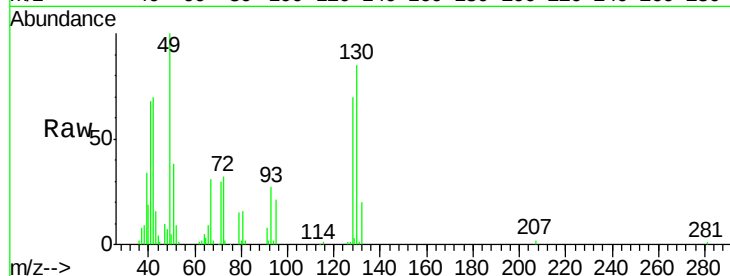
#41
Methacrylonitrile
Concen: 20.486 ug/l m
RT: 7.33 min Scan# 918
Delta R.T. 0.00 min
Lab File: VY002693.D
Acq: 15 May 2020 12:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	41	Resp	25689
Ion	Ratio	Lower	Upper
41	100		
39	101.3	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

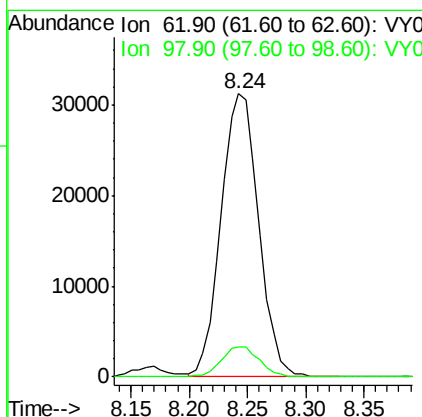
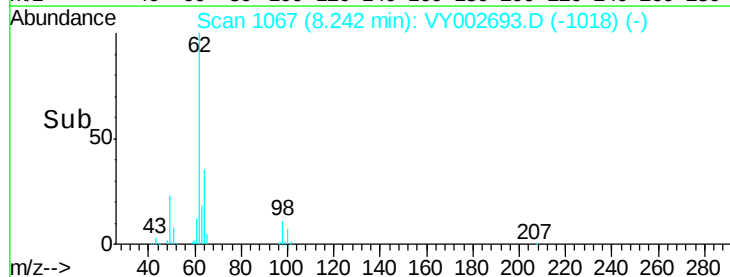
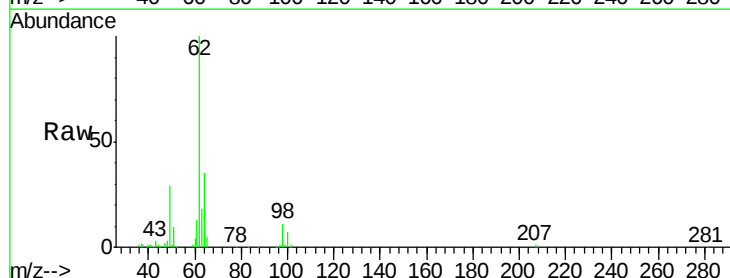
Manual Integrations
APPROVED

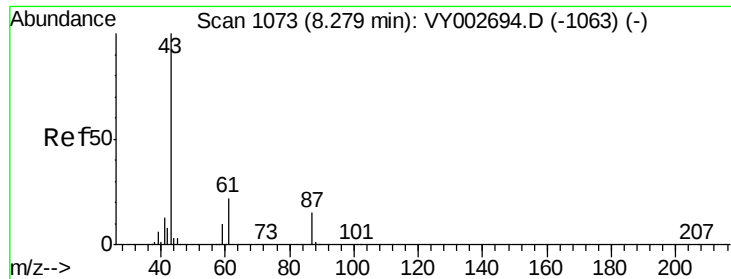
MMDadoda
5/18/2020 1:36:04 PM



#42
1,2-Dichloroethane
Concen: 19.137 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VY002693.D
Acq: 15 May 2020 12:12

Tgt Ion	62	Resp	69785
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	21.8





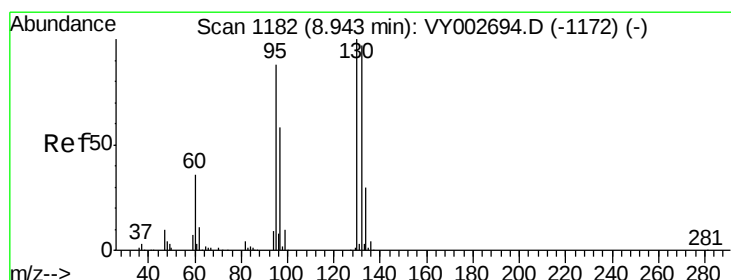
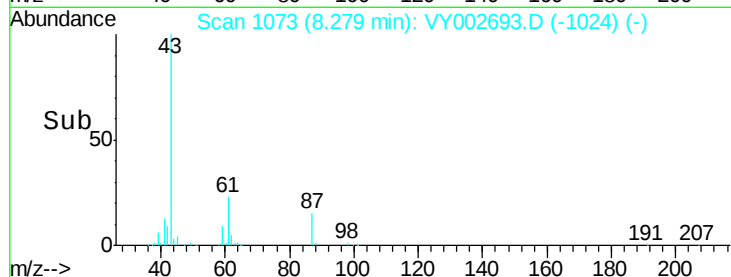
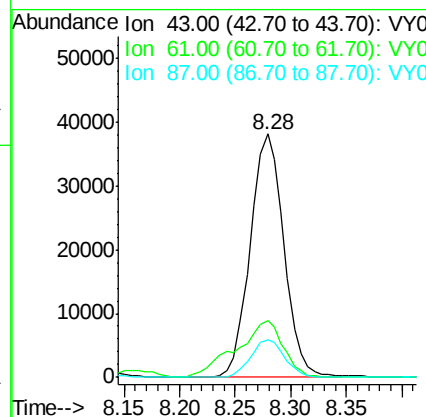
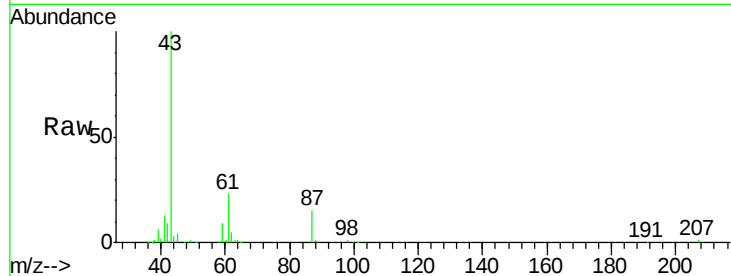
#43
Isopropyl Acetate
Concen: 18.460 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VY002693.D
Acq: 15 May 2020 12:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.3	24.9	37.3
87	15.5	12.6	19.0

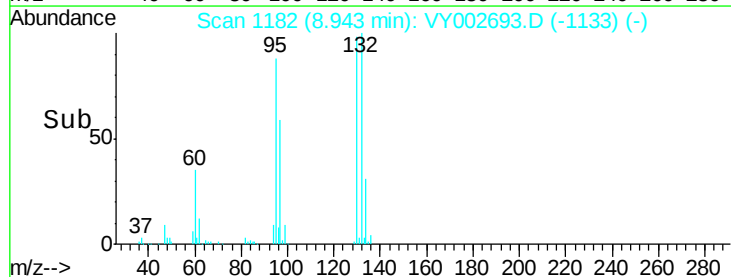
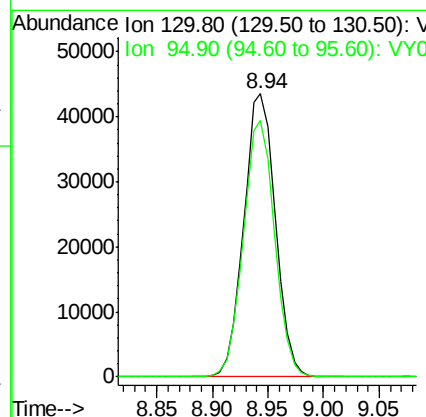
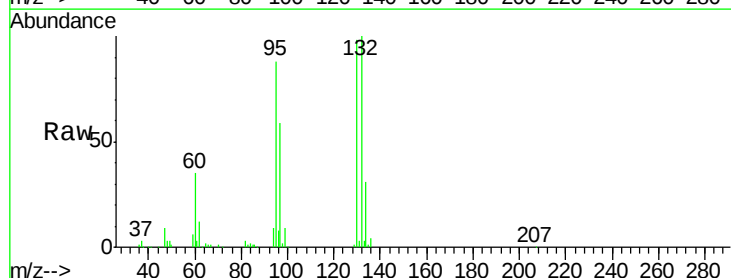
Manual Integrations
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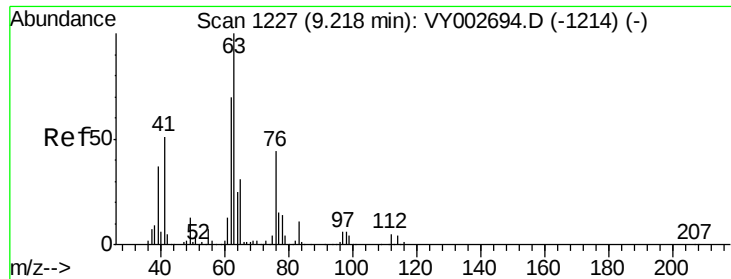
MMDadoda
5/18/2020 1:36:04 PM



#44
Trichloroethene
Concen: 20.785 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VY002693.D
Acq: 15 May 2020 12:12

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.6	0.0	176.4





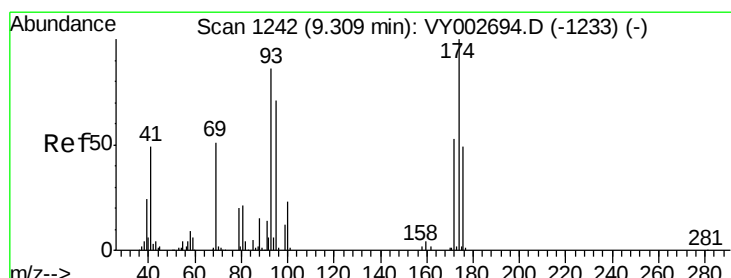
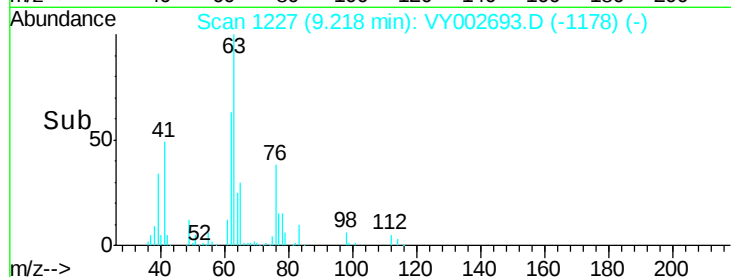
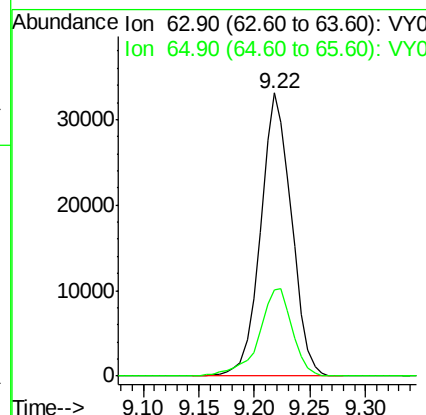
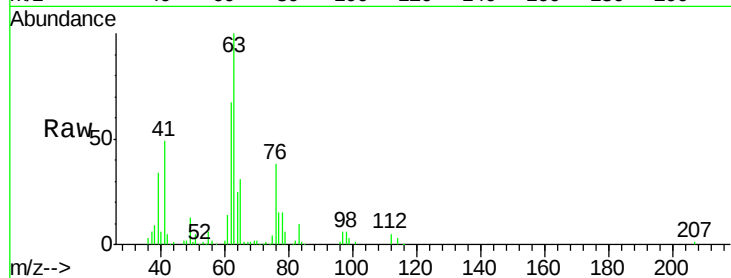
#45
 1,2-Dichloropropane
 Concen: 20.176 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VY002693.D
 Acq: 15 May 2020 12:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.7	37.1

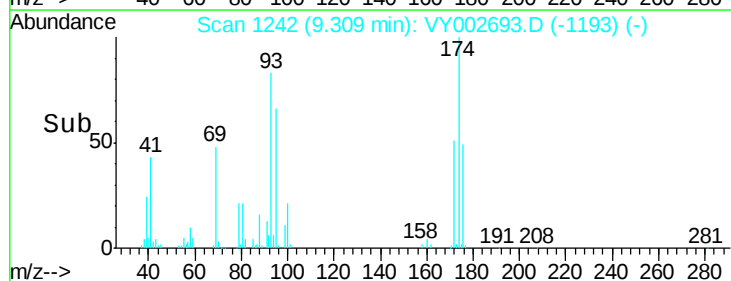
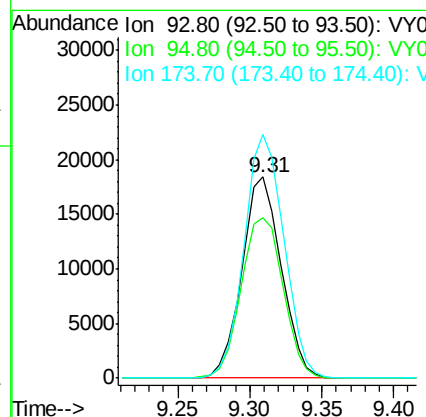
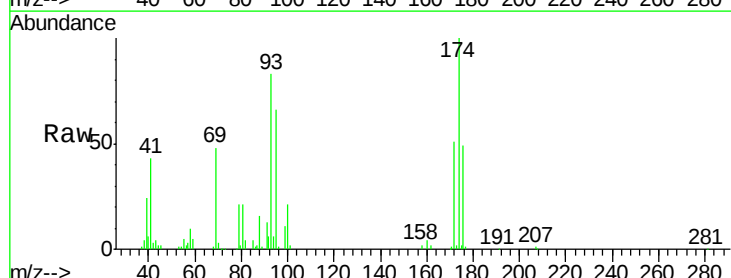
Manual Integrations
 APPROVED

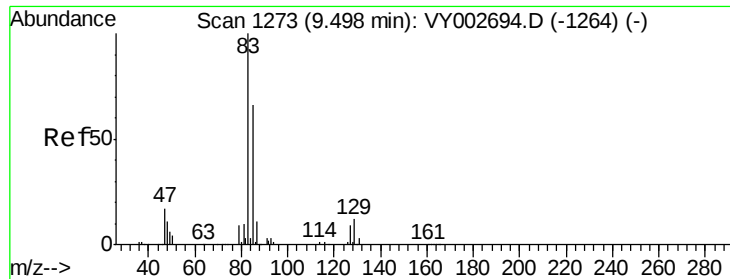
MMDadoda
 5/18/2020 1:36:04 PM



#46
 Dibromomethane
 Concen: 19.208 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY002693.D
 Acq: 15 May 2020 12:12

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.9	66.5	99.7
174	122.1	95.6	143.4





#47

Bromodichloromethane

Concen: 19.660 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY002693.D

Acq: 15 May 2020 12:12

Instrument :

MSVOA_Y

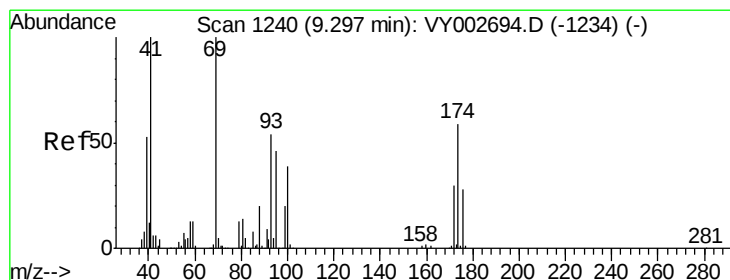
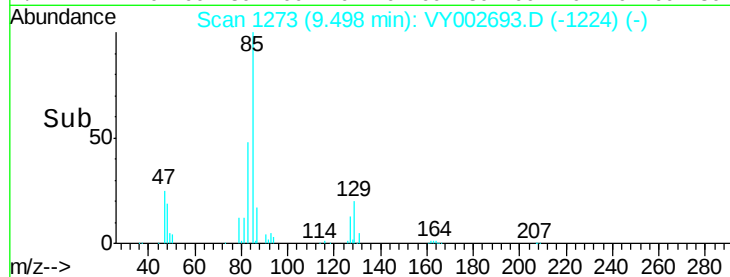
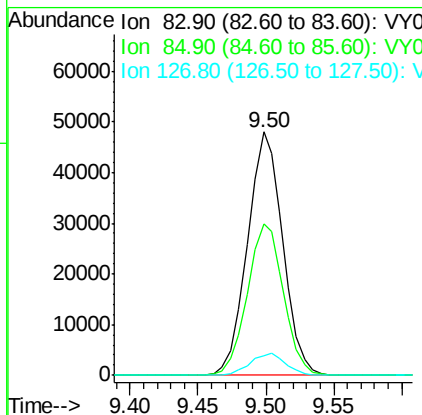
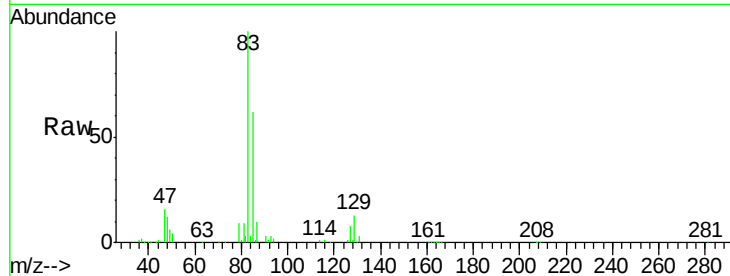
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	87061
Ion	Ratio	Lower	Upper
83	100		
85	62.3	52.4	78.6
127	7.9	7.6	11.4

Manual Integrations
APPROVED

MMDadoda
5/18/2020 1:36:04 PM



#48

Methyl methacrylate

Concen: 18.375 ug/l

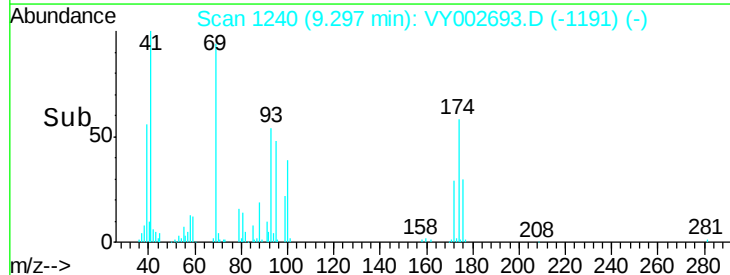
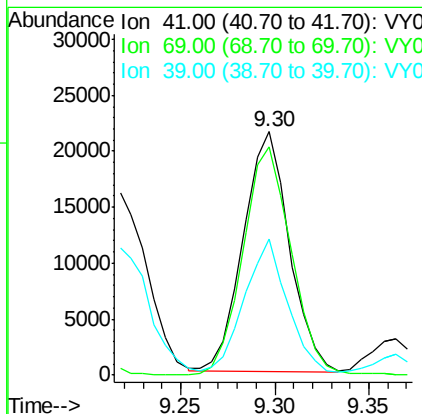
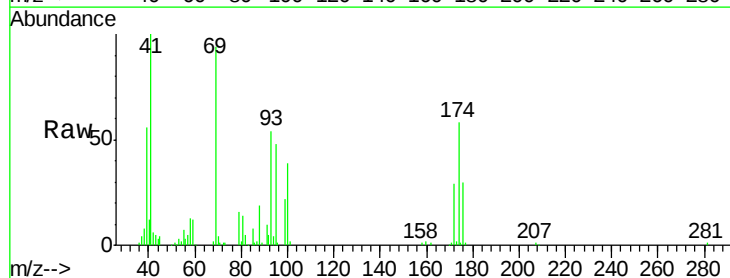
RT: 9.30 min Scan# 1240

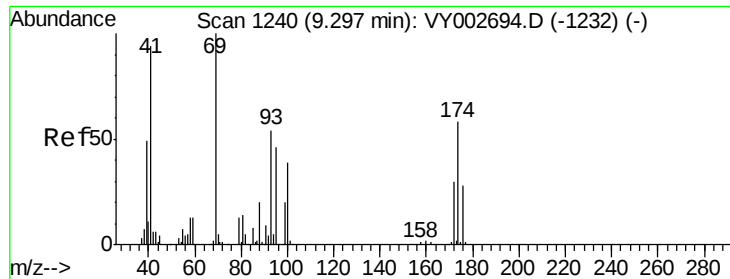
Delta R.T. 0.00 min

Lab File: VY002693.D

Acq: 15 May 2020 12:12

Tgt Ion:	41	Resp:	36252
Ion	Ratio	Lower	Upper
41	100		
69	100.1	78.7	118.1
39	54.7	42.9	64.3





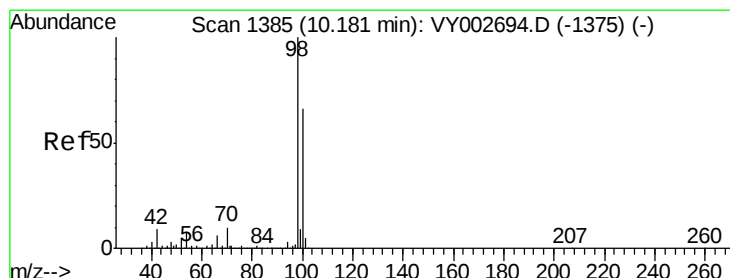
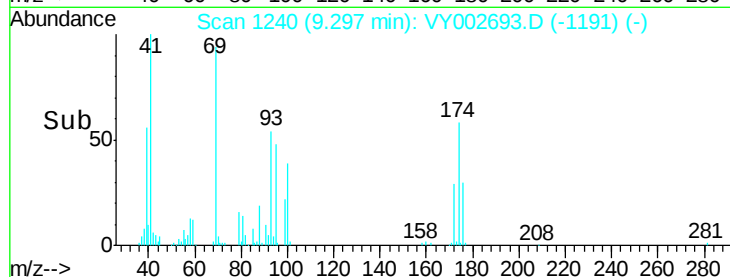
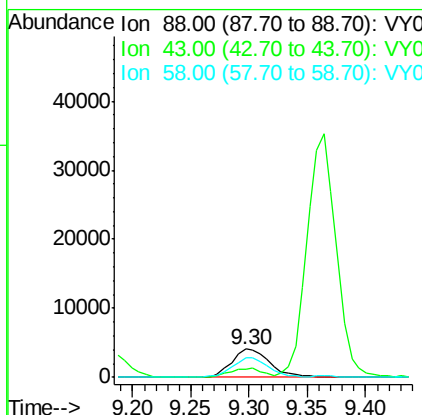
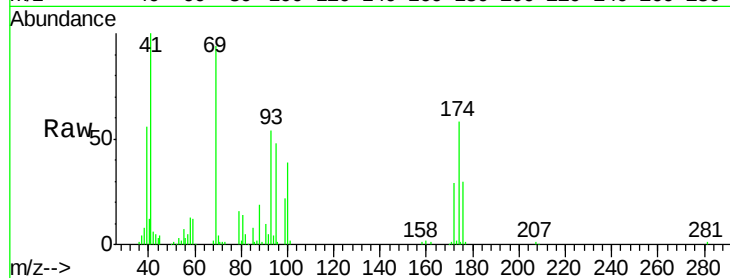
#49
1,4-Dioxane
Concen: 395.036 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VY002693.D
Acq: 15 May 2020 12:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	88	Resp	9496
Ion	Ratio	Lower	Upper
88	100		
43	27.3	23.4	35.0
58	64.6	54.5	81.7

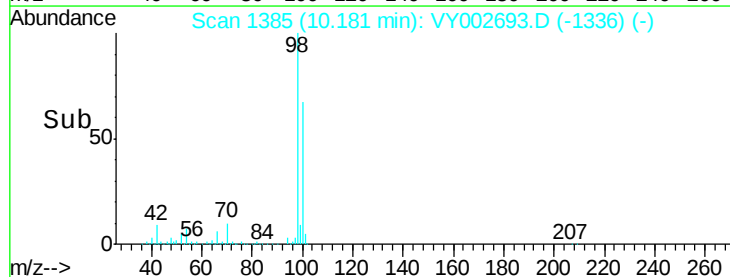
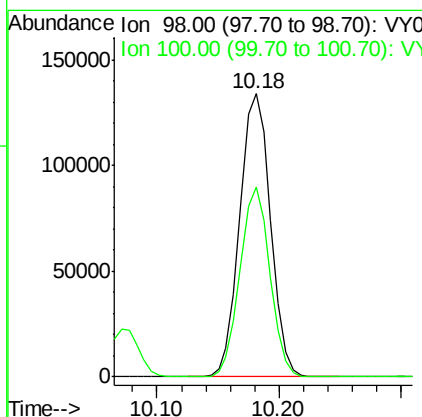
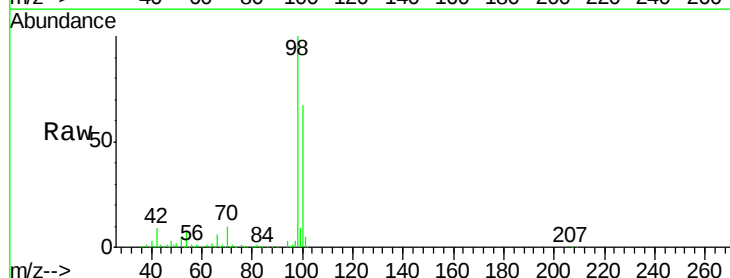
Manual Integrations
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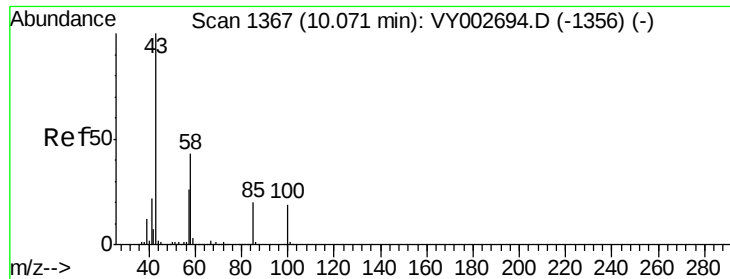
MMDadoda
5/18/2020 1:36:04 PM



#50
Toluene-d8
Concen: 19.214 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY002693.D
Acq: 15 May 2020 12:12

Tgt Ion	98	Resp	234069
Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 92.215 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY002693.D

Acq: 15 May 2020 12:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 206738

Ion Ratio Lower Upper

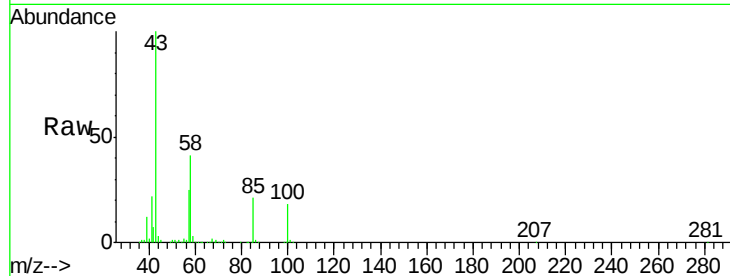
43 100

58 41.7 34.1 51.1

Manual Integrations
APPROVED

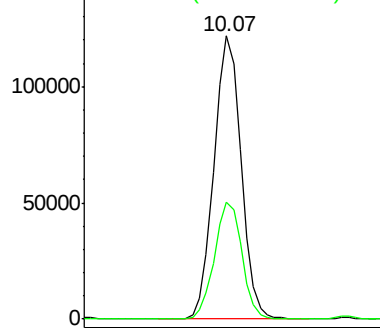
MMDadoda

5/18/2020 1:36:04 PM

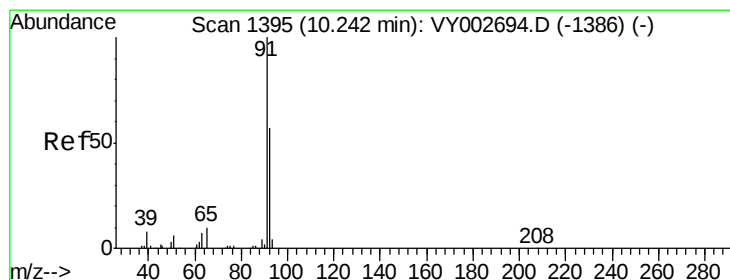
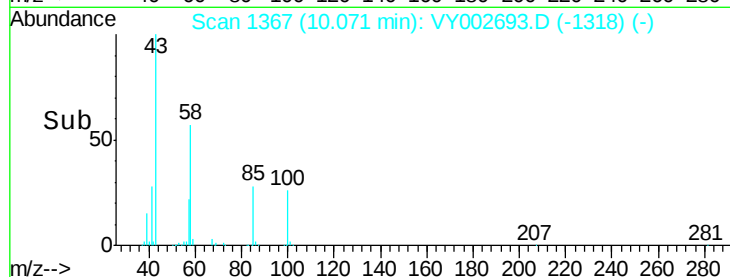


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



Time-->



#52

Toluene

Concen: 20.765 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY002693.D

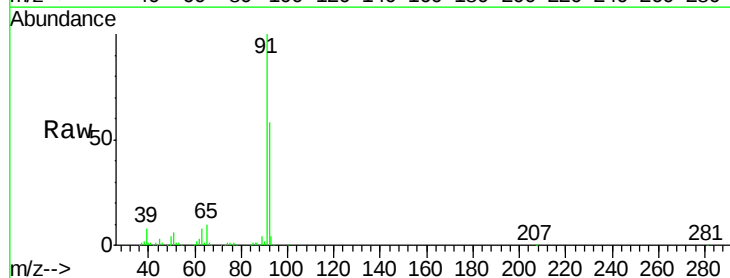
Acq: 15 May 2020 12:12

Tgt Ion: 92 Resp: 175670

Ion Ratio Lower Upper

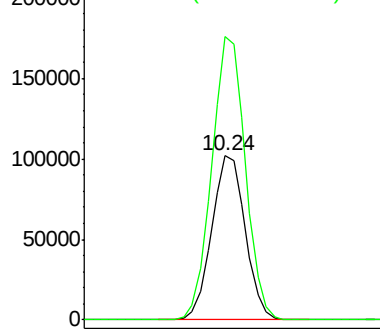
92 100

91 172.5 138.8 208.2

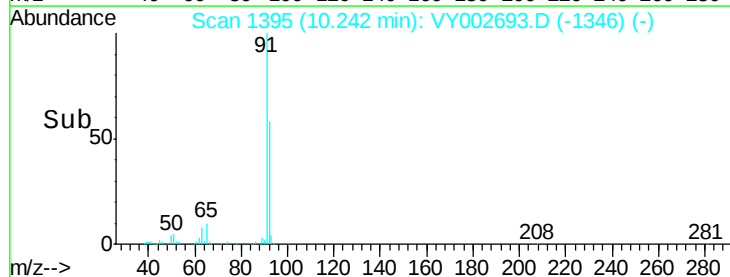


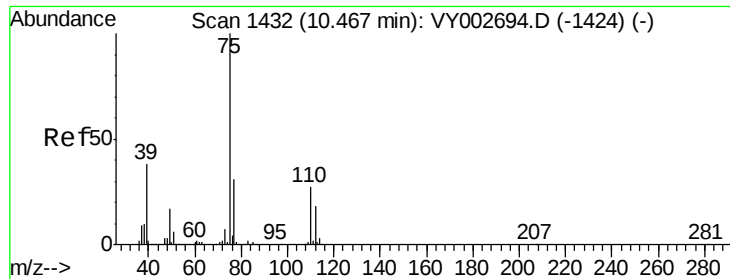
Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0



Time-->





#53

t-1,3-Dichloropropene

Concen: 19.816 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY002693.D

Acq: 15 May 2020 12:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 91886

Ion Ratio Lower Upper

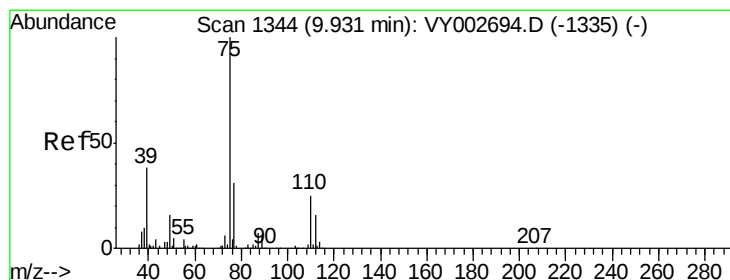
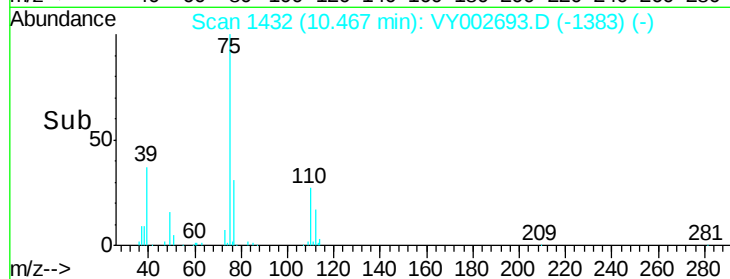
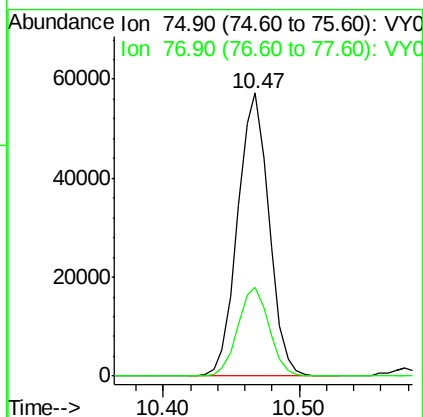
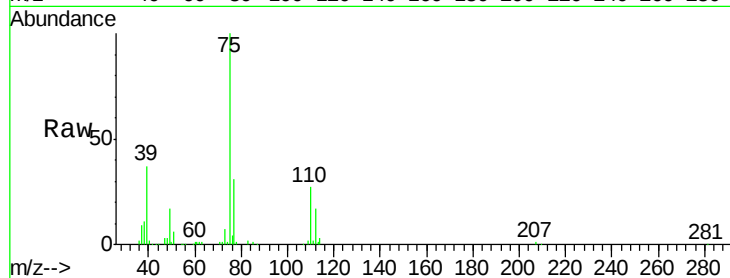
75 100

77 31.3 25.1 37.7

Manual Integrations
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5/18/2020 1:36:04 PM



#54

cis-1,3-Dichloropropene

Concen: 20.166 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VY002693.D

Acq: 15 May 2020 12:12

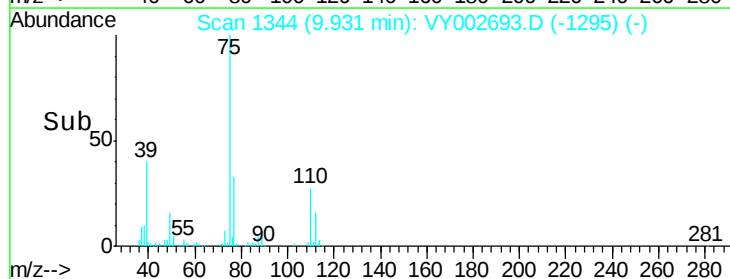
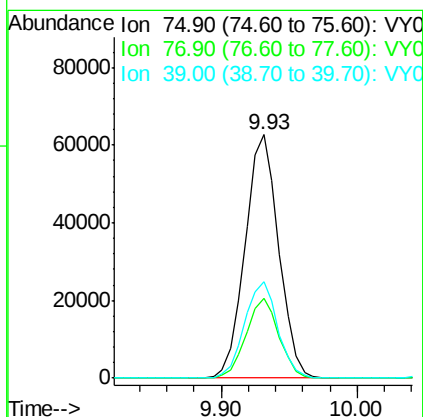
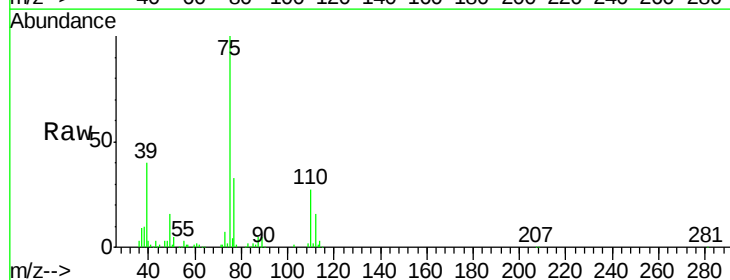
Tgt Ion: 75 Resp: 108438

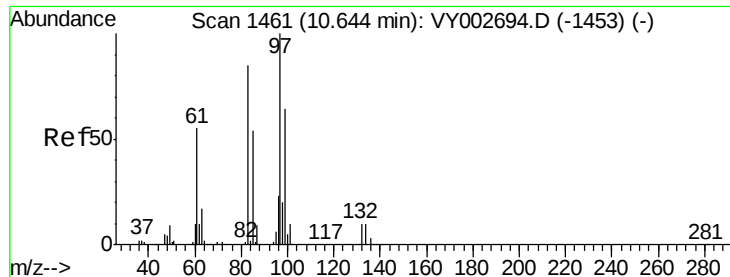
Ion Ratio Lower Upper

75 100

77 32.8 24.8 37.2

39 39.6 30.7 46.1





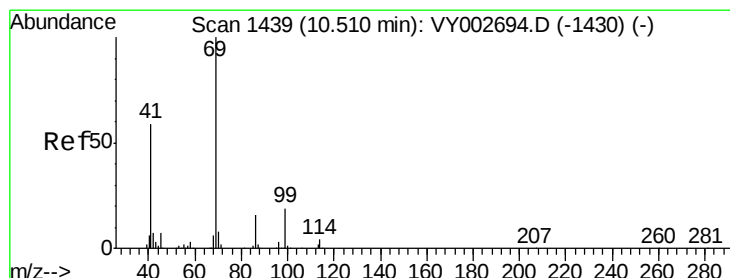
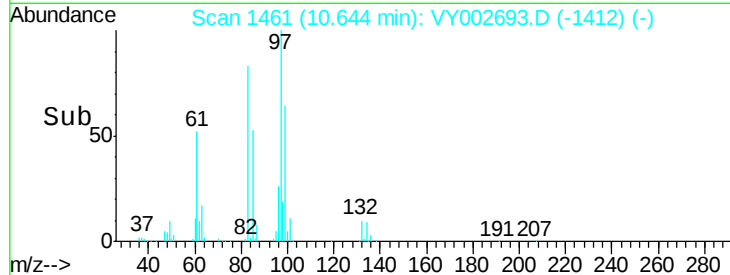
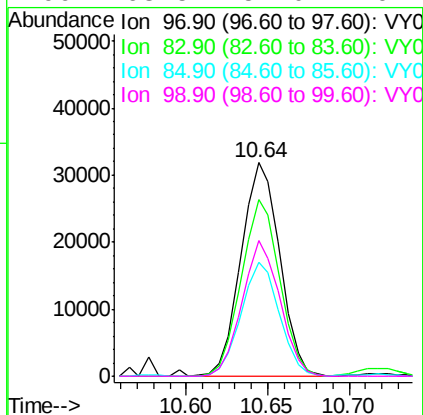
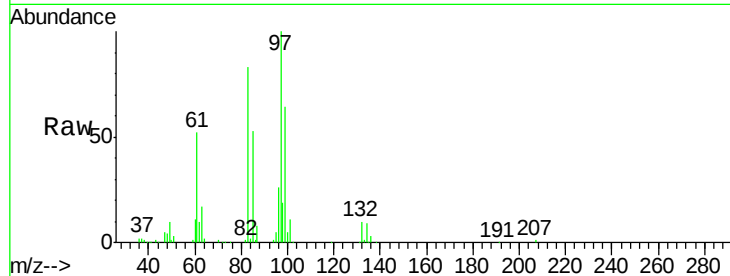
#55
 1,1,2-Trichloroethane
 Concen: 19.974 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY002693.D
 Acq: 15 May 2020 12:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	53014
Ion	Ratio	Lower	Upper
97	100		
83	82.8	68.1	102.1
85	53.4	43.1	64.7
99	63.5	51.0	76.4

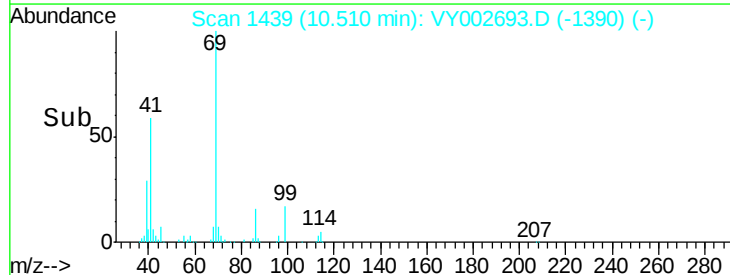
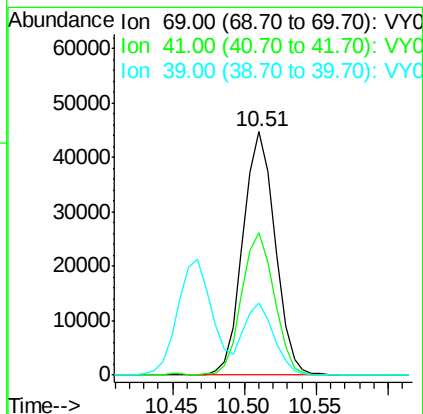
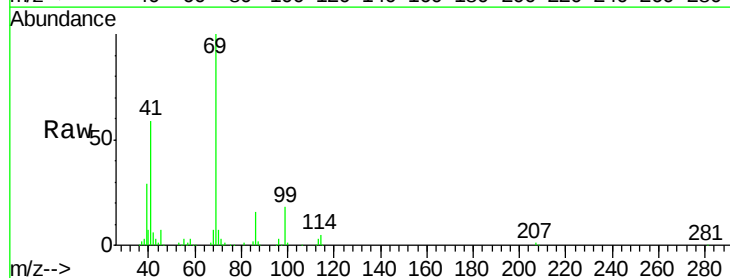
Manual Integrations
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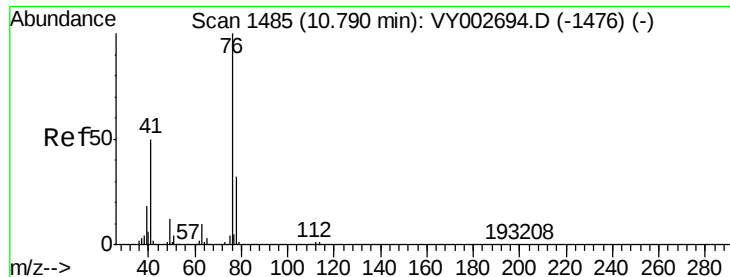
MMDadoda
 5/18/2020 1:36:04 PM



#56
 Ethyl methacrylate
 Concen: 19.588 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY002693.D
 Acq: 15 May 2020 12:12

Tgt Ion:	69	Resp:	69278
Ion	Ratio	Lower	Upper
69	100		
41	58.7	48.0	72.0
39	27.1	22.1	33.1





#57

1,3-Dichloropropane

Concen: 19.624 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VY002693.D

Acq: 15 May 2020 12:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 88272

Ion Ratio Lower Upper

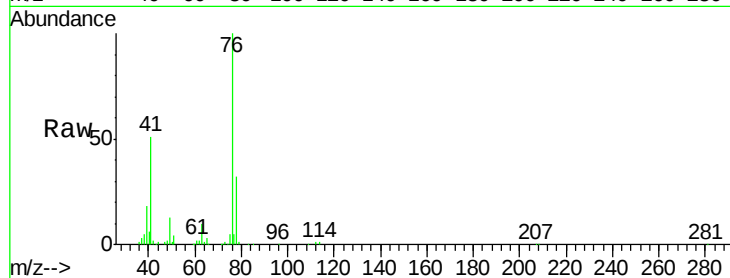
76 100

78 32.7 26.2 39.4

Manual Integrations
APPROVED

MMDadoda

5/18/2020 1:36:04 PM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

60000

50000

40000

30000

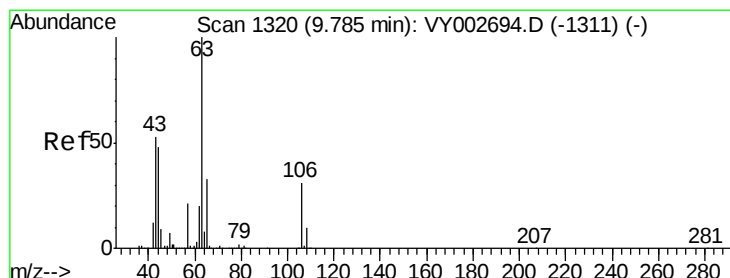
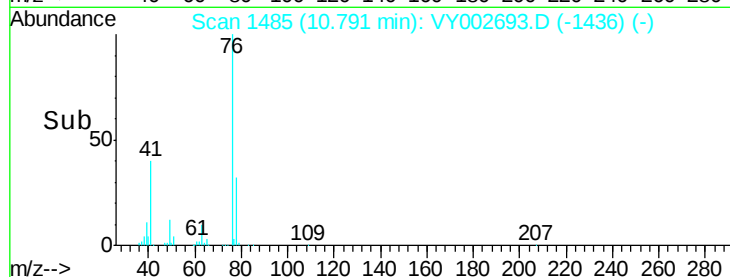
20000

10000

0

10.79

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 89.616 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VY002693.D

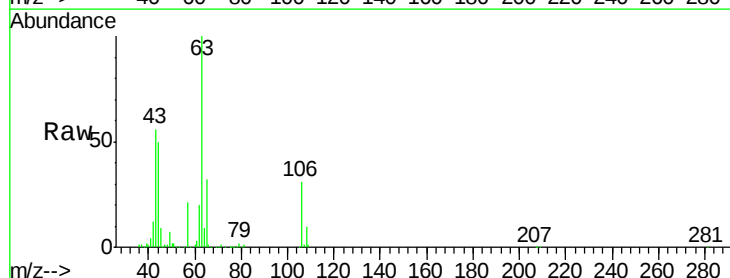
Acq: 15 May 2020 12:12

Tgt Ion: 63 Resp: 167742

Ion Ratio Lower Upper

63 100

106 31.7 25.1 37.7



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

120000

100000

80000

60000

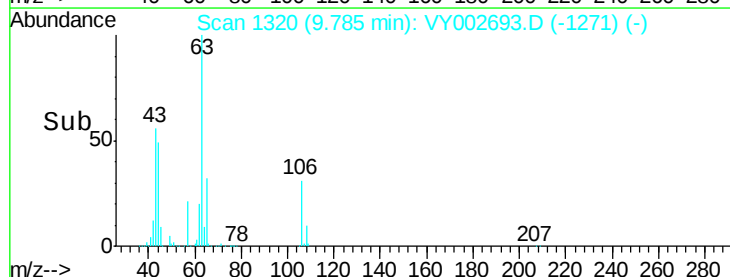
40000

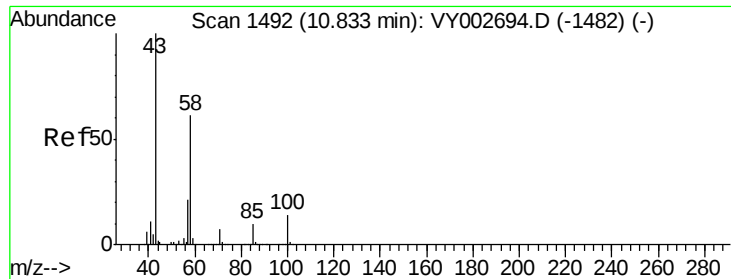
20000

0

9.78

Time-->





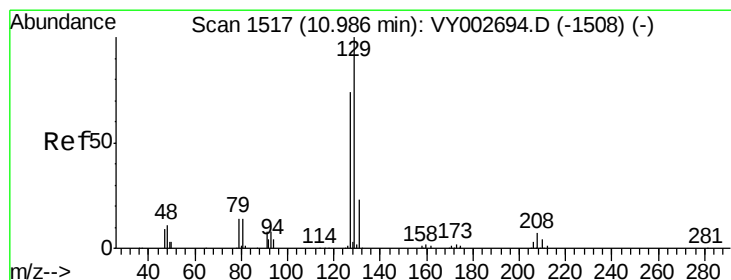
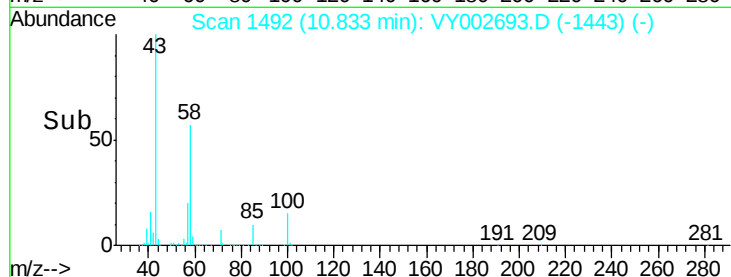
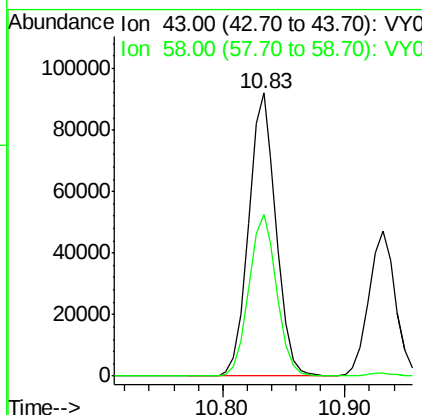
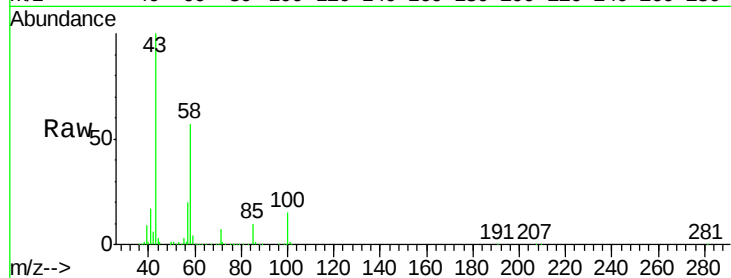
#59
2-Hexanone
Concen: 92.505 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY002693.D
Acq: 15 May 2020 12:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 142808
Ion Ratio Lower Upper
43 100
58 58.0 29.8 89.4

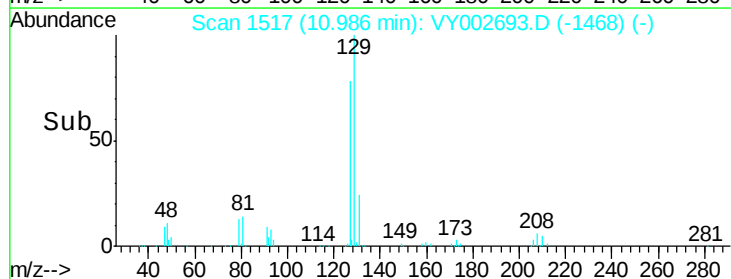
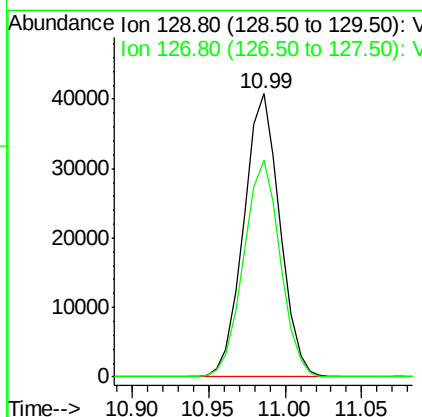
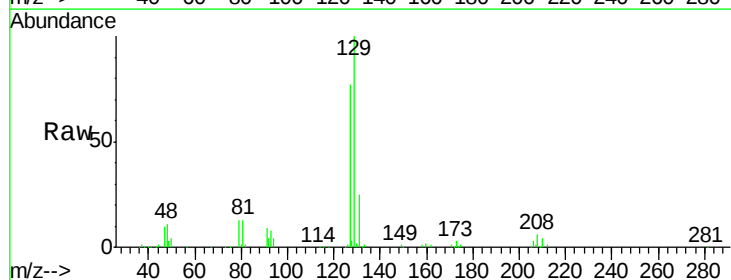
Manual Integrations
APPROVED

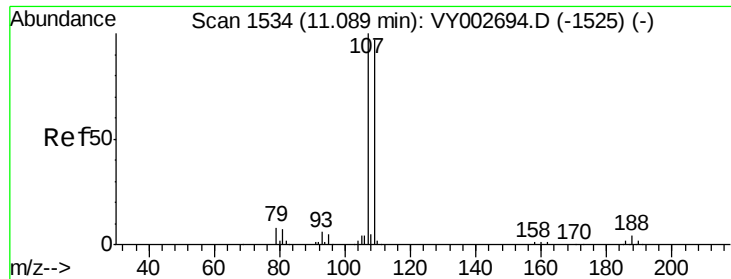
MMDadoda
5/18/2020 1:36:04 PM



#60
Dibromochloromethane
Concen: 19.734 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY002693.D
Acq: 15 May 2020 12:12

Tgt Ion: 129 Resp: 66931
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.3





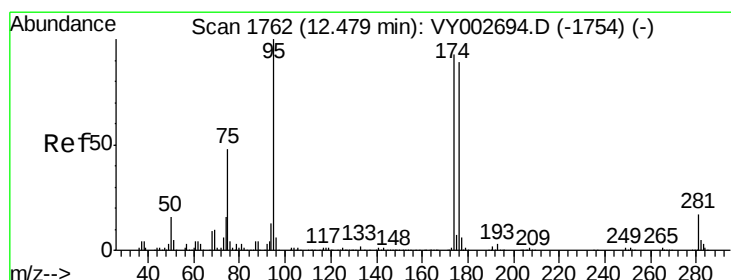
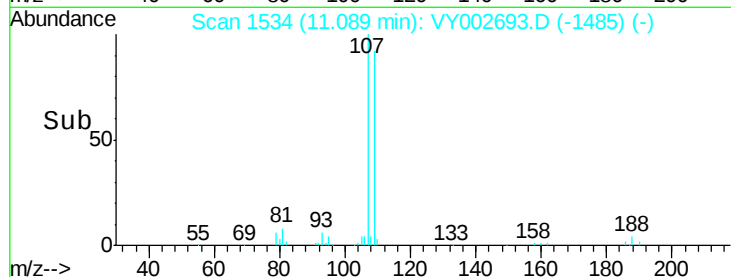
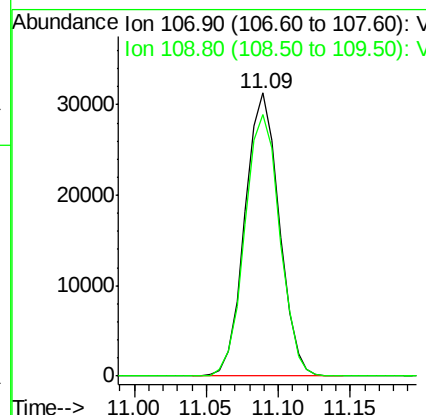
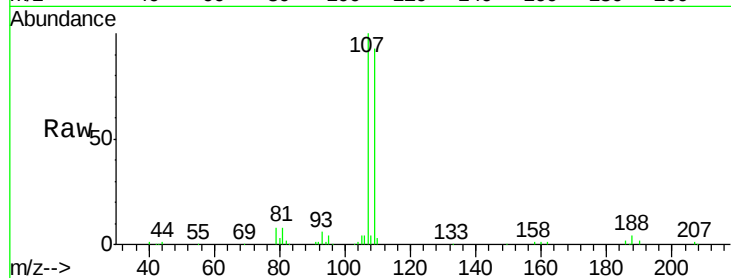
#61
 1,2-Dibromoethane
 Concen: 19.514 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY002693.D
 Acq: 15 May 2020 12:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion: 107 Resp: 51480
 Ion Ratio Lower Upper
 107 100
 109 94.6 76.1 114.1

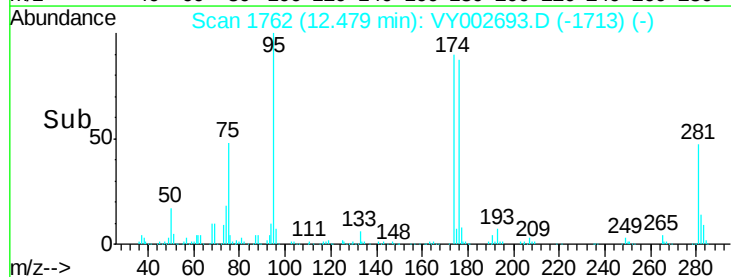
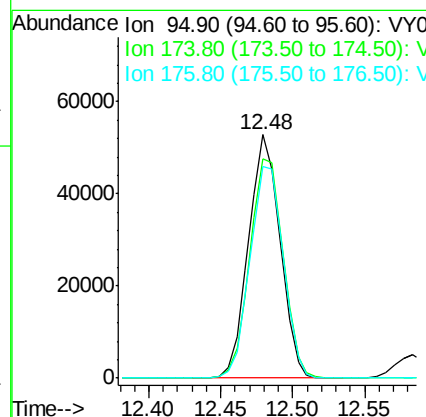
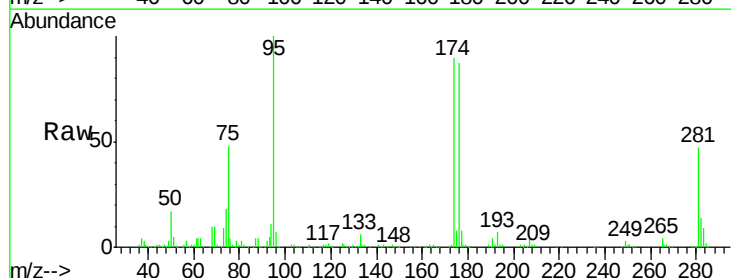
Manual Integrations
 APPROVED

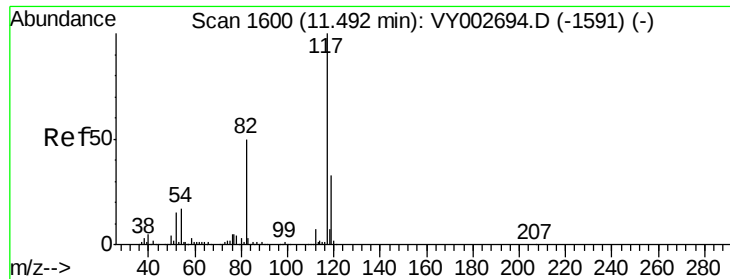
MMDadoda
 5/18/2020 1:36:04 PM



#62
 4-Bromofluorobenzene
 Concen: 19.377 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY002693.D
 Acq: 15 May 2020 12:12

Tgt Ion: 95 Resp: 80208
 Ion Ratio Lower Upper
 95 100
 174 94.7 0.0 191.4
 176 91.3 0.0 186.0





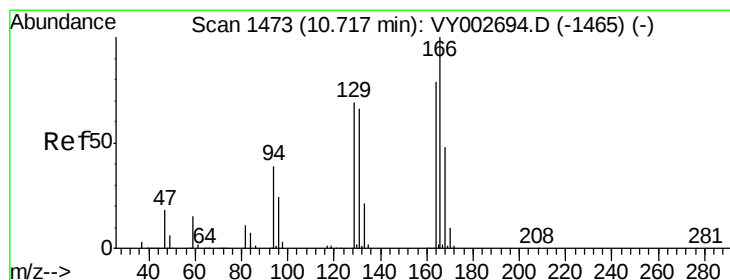
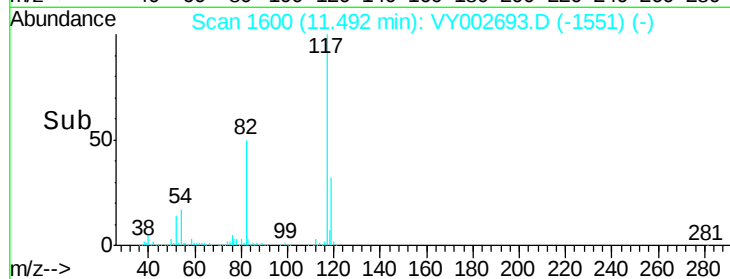
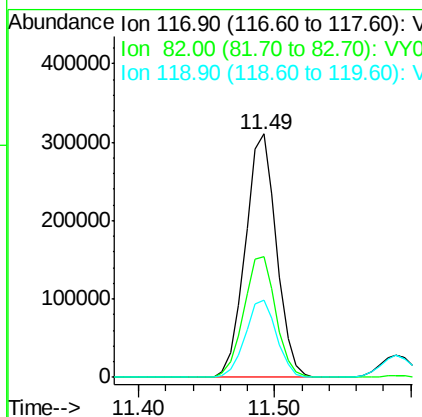
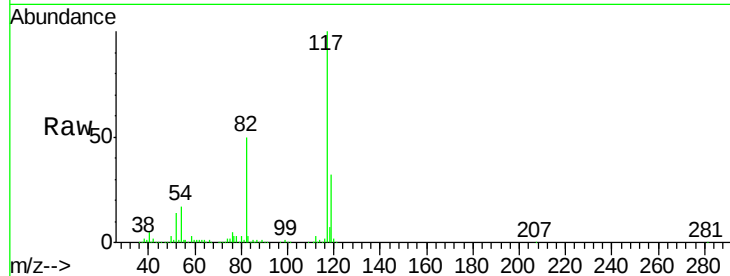
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VY002693.D
Acq: 15 May 2020 12:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	496328		
82	49.7		40.3	60.5
119	31.8		26.2	39.4

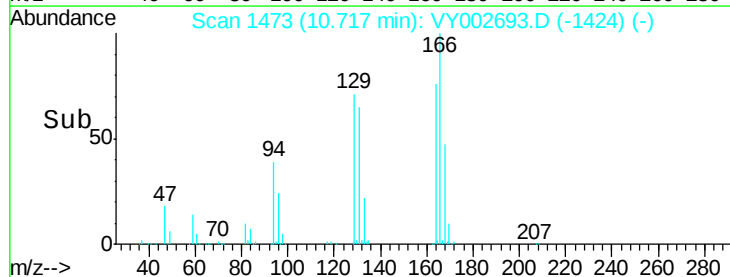
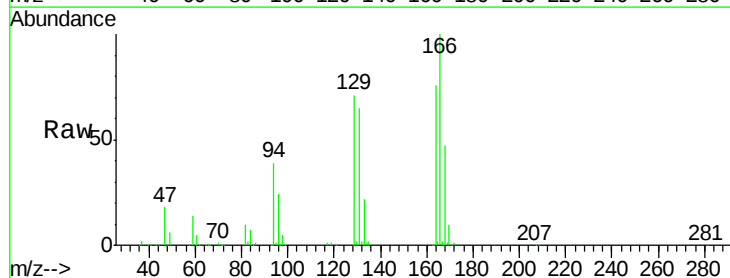
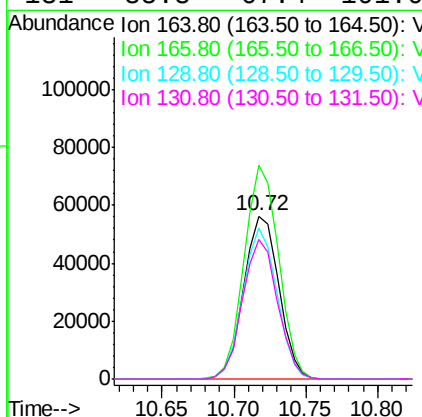
Manual Integrations
APPROVED

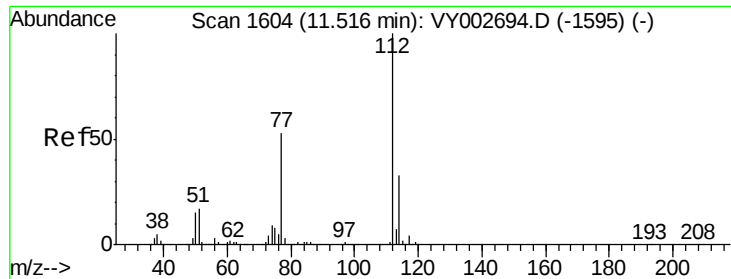
MMDadoda
5/18/2020 1:36:04 PM



#64
Tetrachloroethene
Concen: 21.437 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY002693.D
Acq: 15 May 2020 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	95102		
166	131.2		101.6	152.4
129	93.1		70.2	105.4
131	85.8		67.4	101.0





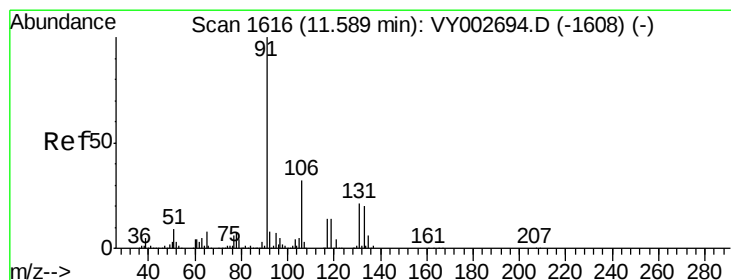
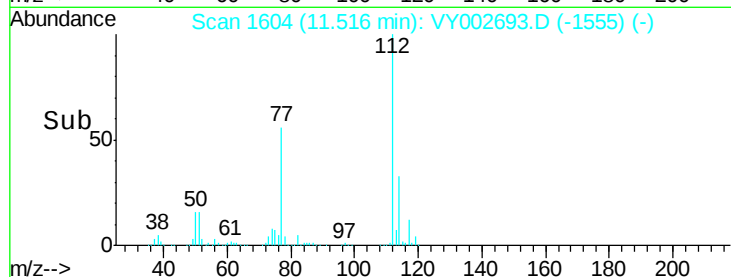
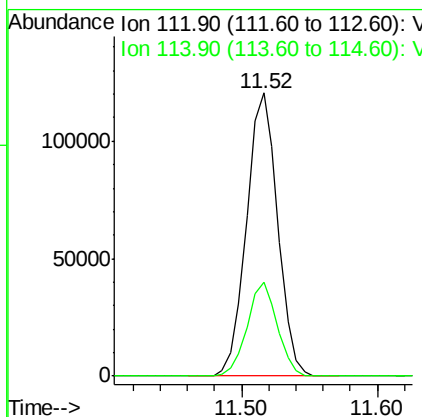
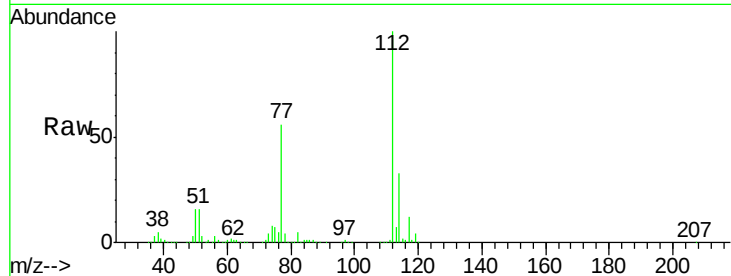
#65
Chlorobenzene
Concen: 20.508 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY002693.D
Acq: 15 May 2020 12:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
112	100	193098		
114	33.4	26.1	39.1	

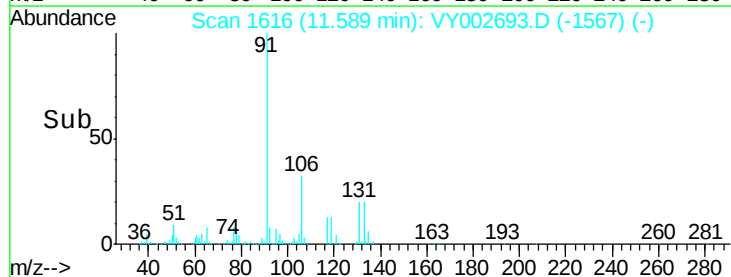
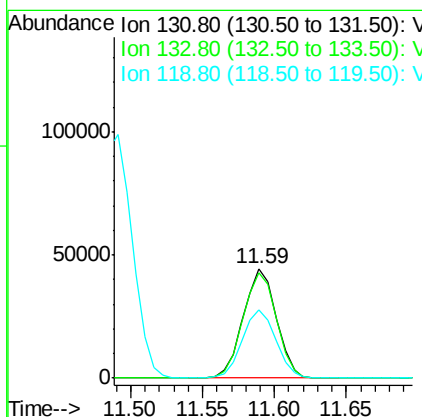
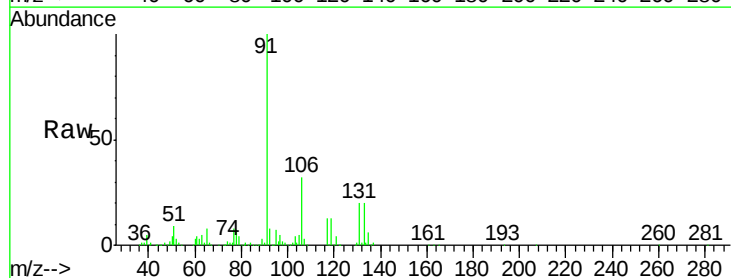
Manual Integrations
APPROVED

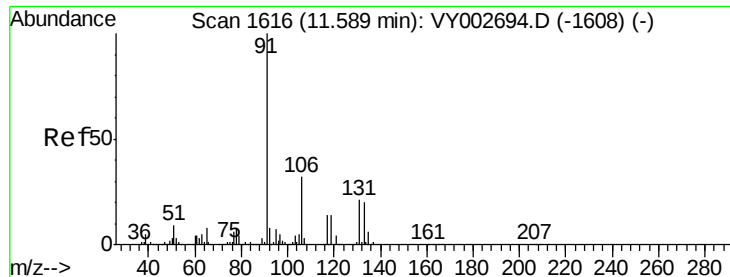
MMDadoda
5/18/2020 1:36:04 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.157 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY002693.D
Acq: 15 May 2020 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	70405		
133	98.0	47.4	142.3	
119	63.6	31.6	94.8	





#67

Ethyl Benzene

Concen: 20.611 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY002693.D

Acq: 15 May 2020 12:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 340089

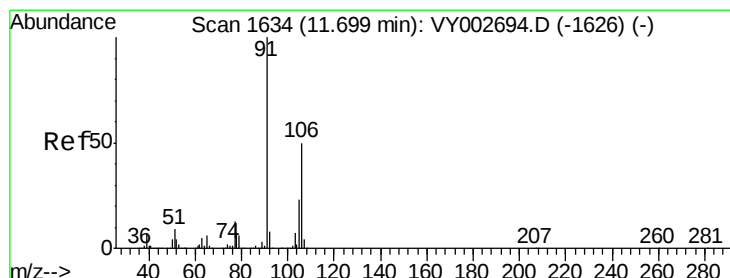
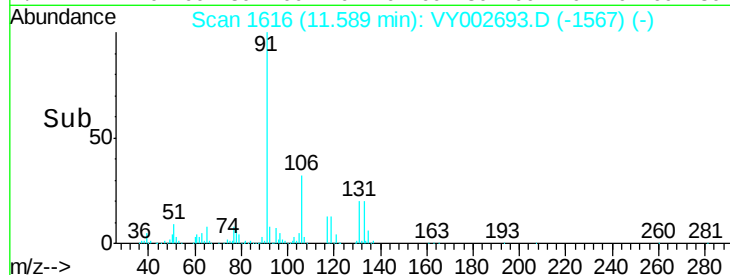
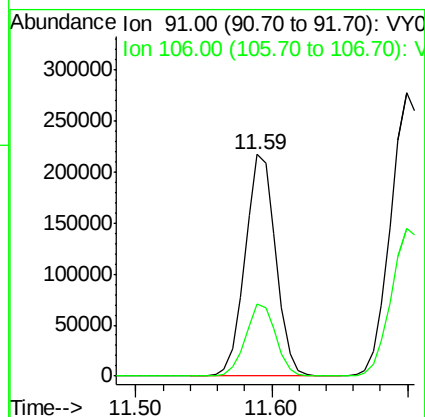
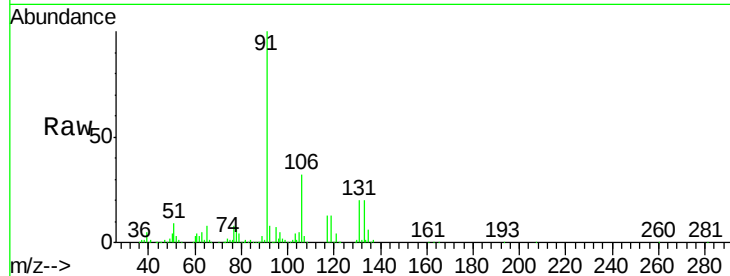
Ion Ratio Lower Upper

91 100

106 32.4 26.0 39.0

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 41.342 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY002693.D

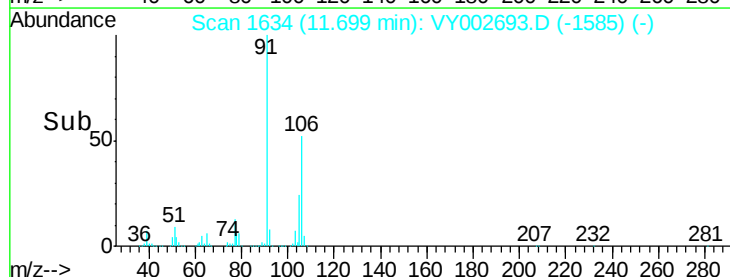
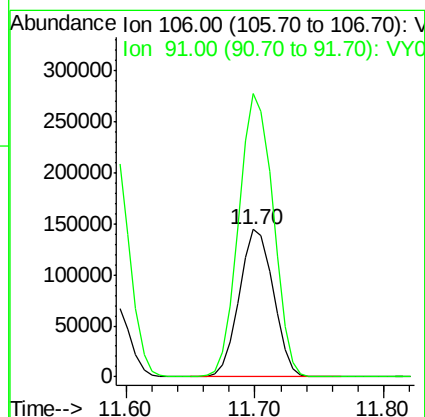
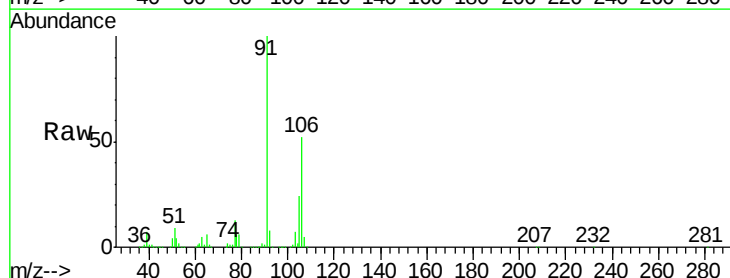
Acq: 15 May 2020 12:12

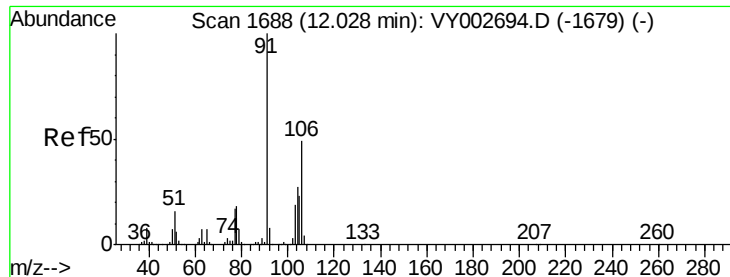
Tgt Ion: 106 Resp: 264383

Ion Ratio Lower Upper

106 100

91 194.1 156.2 234.4





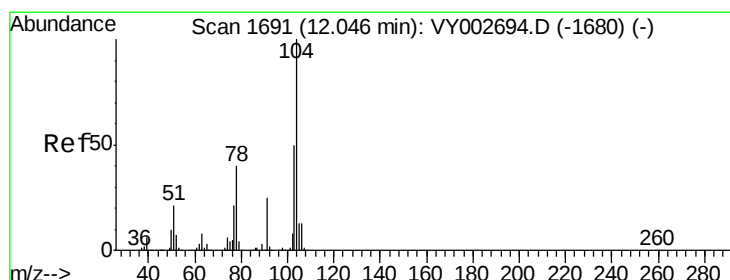
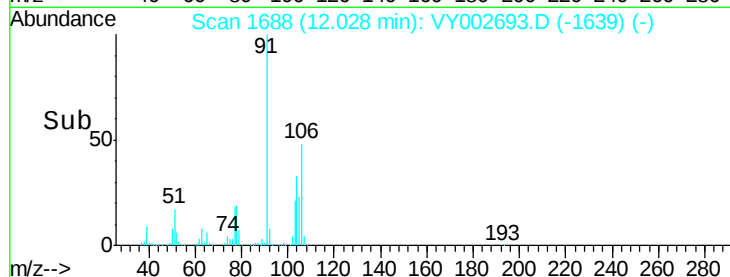
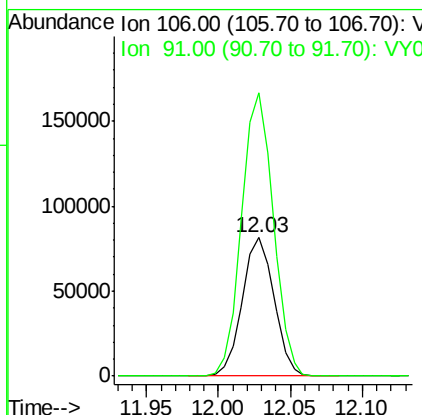
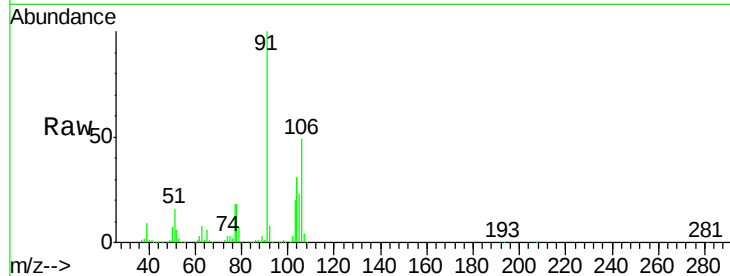
#69
o-Xylene
Concen: 20.729 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY002693.D
Acq: 15 May 2020 12:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	204.6	103.5	310.3

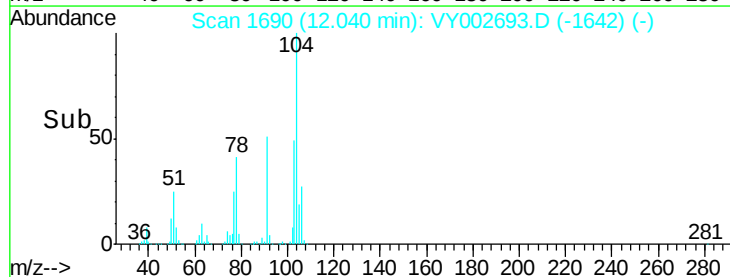
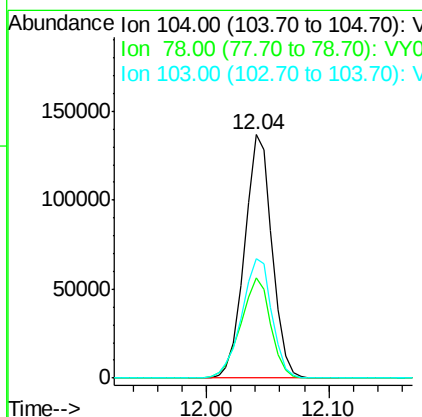
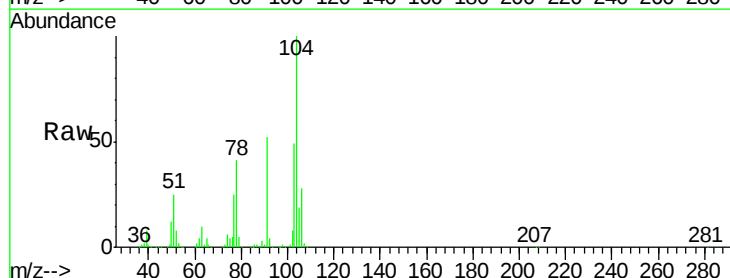
Manual Integrations
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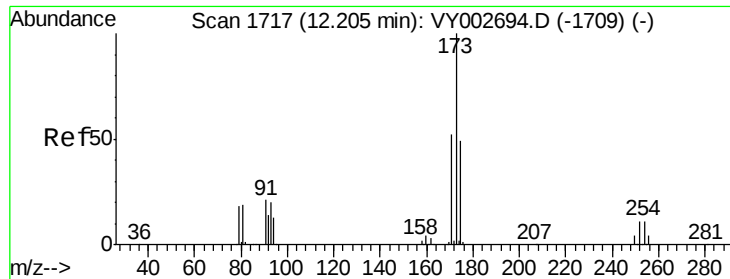
MMDadoda
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#70
Styrene
Concen: 20.715 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.01 min
Lab File: VY002693.D
Acq: 15 May 2020 12:12

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	45.1	36.6	54.8
103	103	54.2	44.1	66.1





#71

Bromoform

Concen: 19.961 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY002693.D

Acq: 15 May 2020 12:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 43247

Ion Ratio Lower Upper

173 100

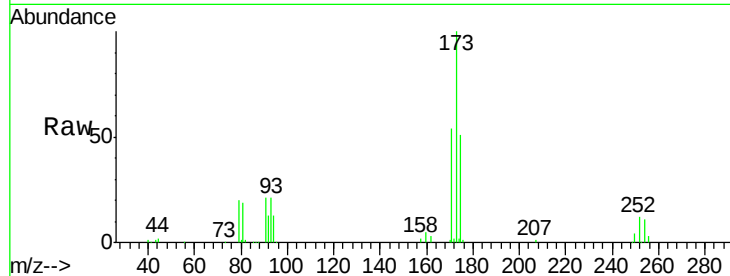
175 49.0 24.1 72.4

254 0.0 0.1 0.1#

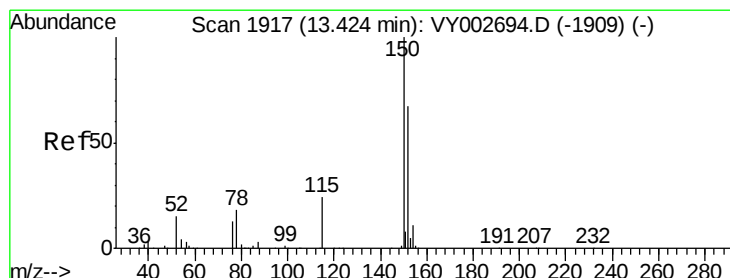
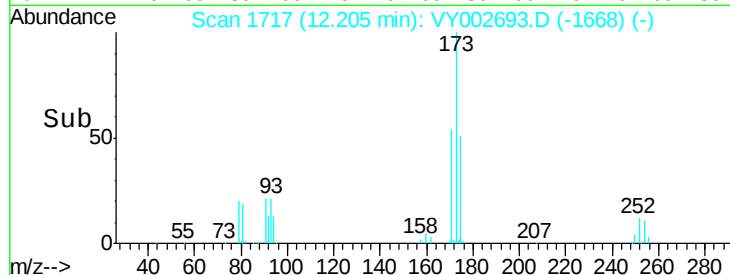
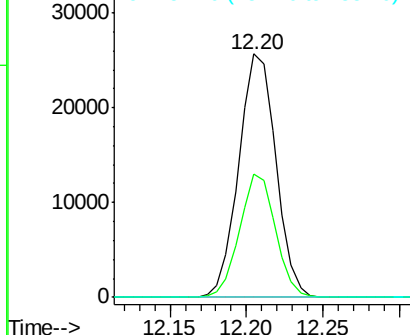
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VY002693.D

Acq: 15 May 2020 12:12

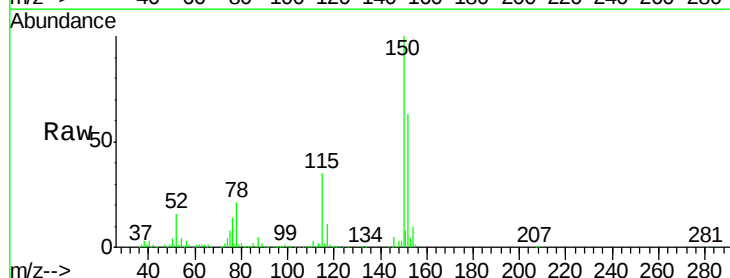
Tgt Ion:152 Resp: 259626

Ion Ratio Lower Upper

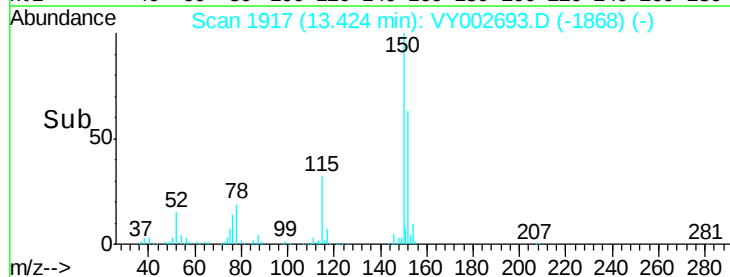
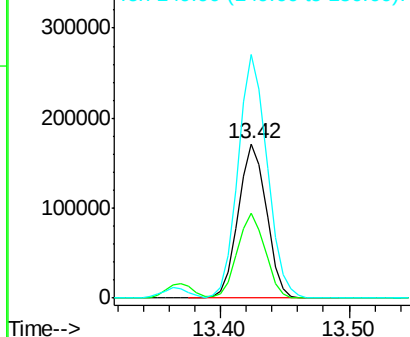
152 100

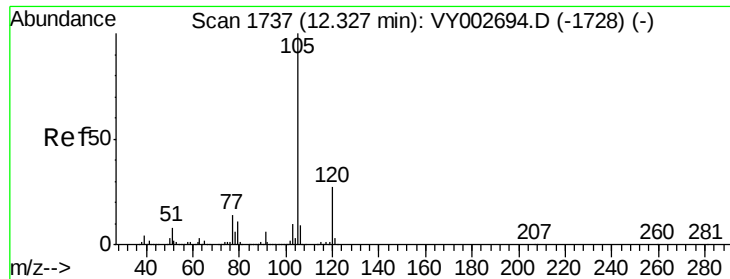
115 54.1 27.2 81.6

150 163.2 0.0 343.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.321 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY002693.D

Acq: 15 May 2020 12:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 340044

Ion Ratio Lower Upper

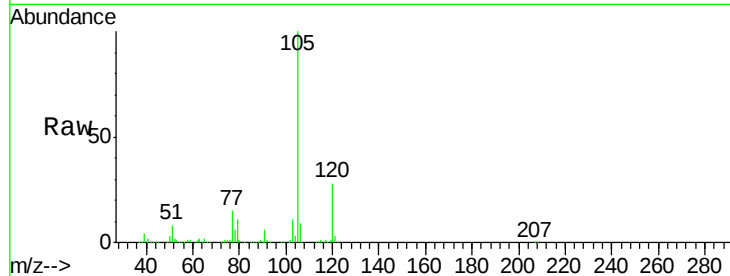
105 100

120 27.6 13.7 41.1

Manual Integrations
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MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

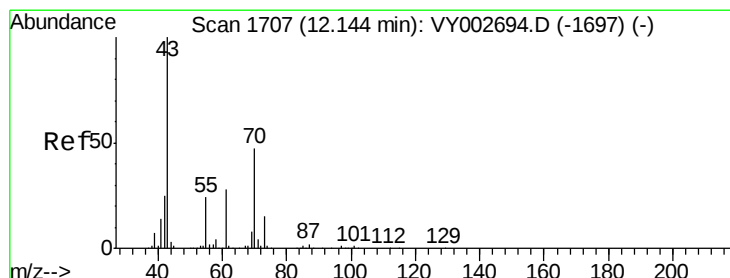
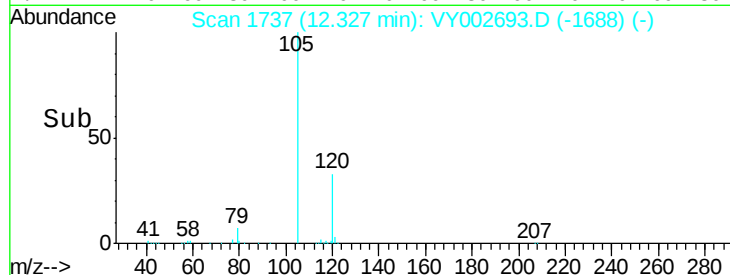
100000

50000

0

12.25 12.30 12.35 12.40

Time-->



#74

N-ethyl acetate

Concen: 18.800 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VY002693.D

Acq: 15 May 2020 12:12

Tgt Ion: 43 Resp: 75252

Ion Ratio Lower Upper

43 100

70 47.6 37.7 56.5

55 25.0 19.4 29.0

61 26.6 21.3 31.9

Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

80000

60000

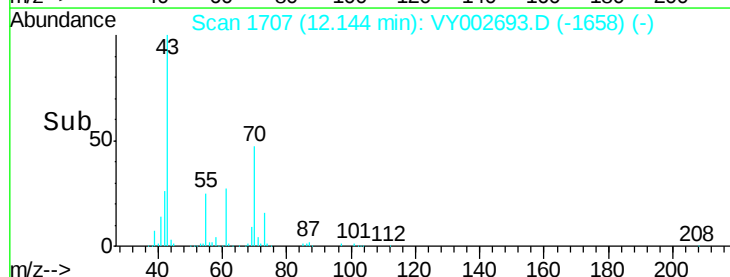
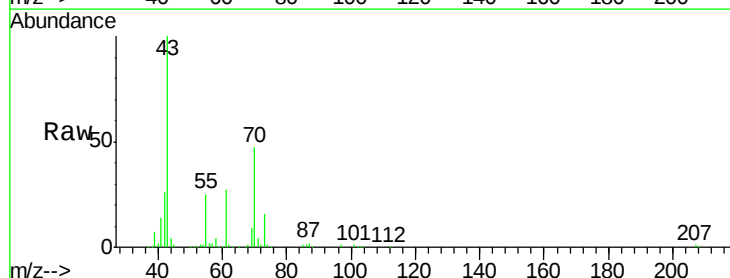
40000

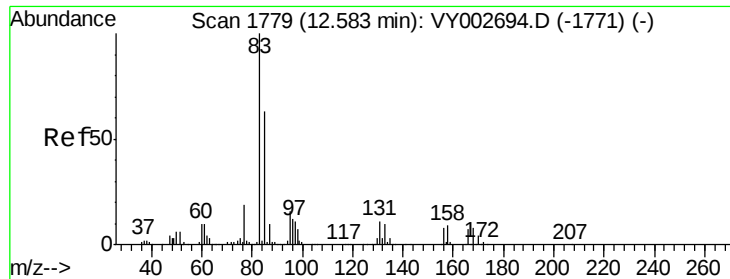
20000

0

12.10 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.213 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY002693.D

Acq: 15 May 2020 12:12

Instrument :

MSVOA_Y

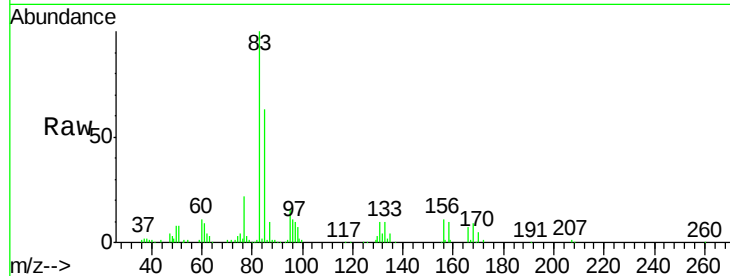
ClientSampleId :

VSTDIC020

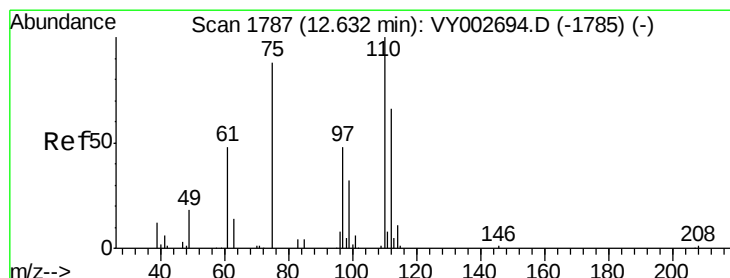
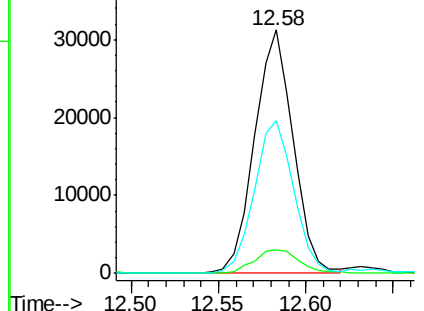
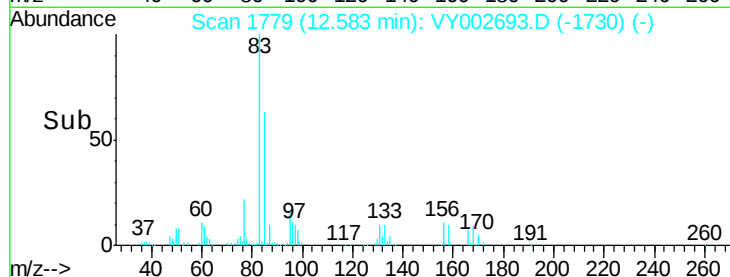
Tot Ion:	83	Resp:	47811
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.8	17.3
85	64.0	31.9	95.9

Manual Integrations
APPROVED

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Abundance Ion 82.90 (82.60 to 83.60): VY002693.D (-1730) (-)



#76

1,2,3-Trichloropropane

Concen: 18.188 ug/l m

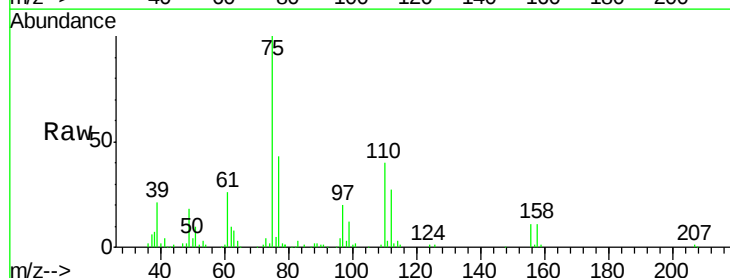
RT: 12.63 min Scan# 1787

Delta R.T. 0.00 min

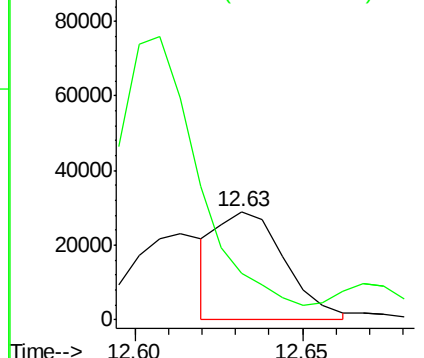
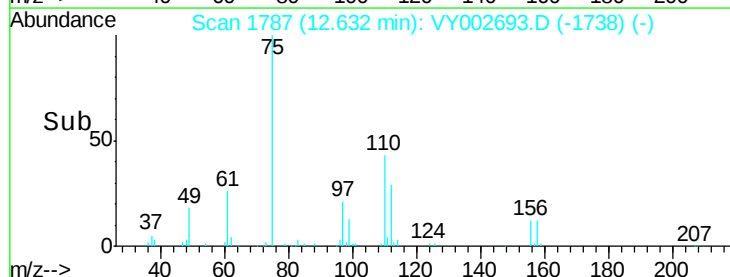
Lab File: VY002693.D

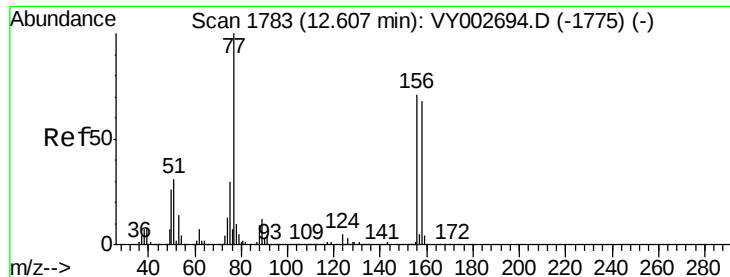
Acq: 15 May 2020 12:12

Tgt Ion:	75	Resp:	40938
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VY002693.D (-1738) (-)





#77

Bromobenzene

Concen: 19.907 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY002693.D

Acq: 15 May 2020 12:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 83213

Ion Ratio Lower Upper

156 100

77 164.7 80.8 242.3

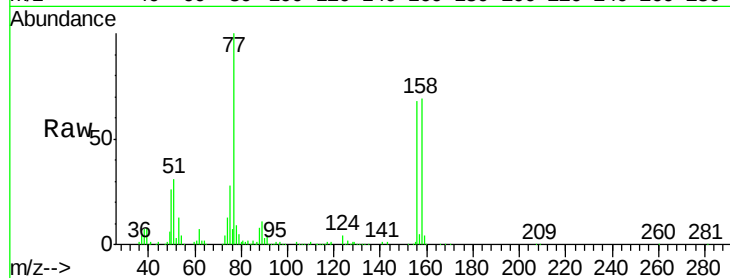
158 99.0 49.0 147.0

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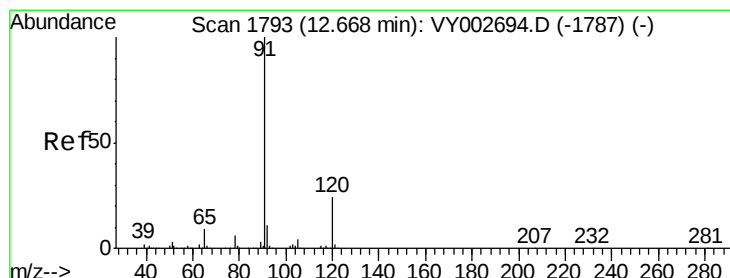
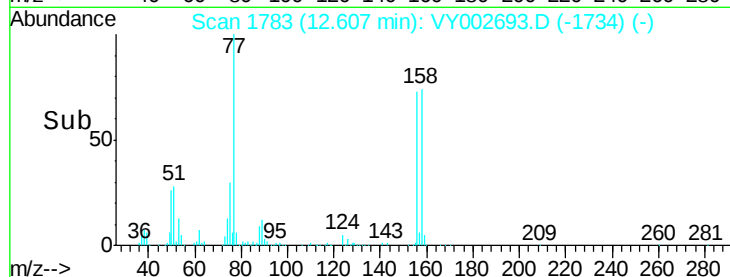
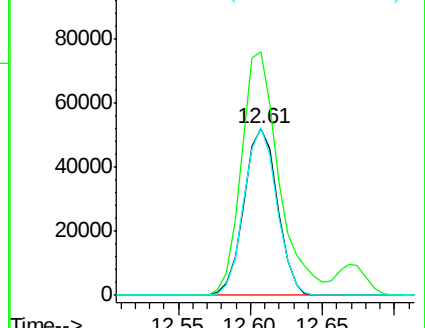
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.571 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VY002693.D

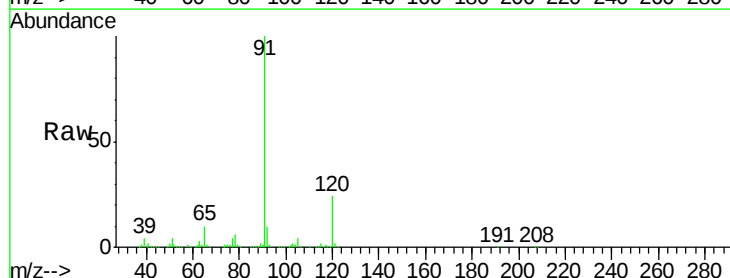
Acq: 15 May 2020 12:12

Tgt Ion: 91 Resp: 399447

Ion Ratio Lower Upper

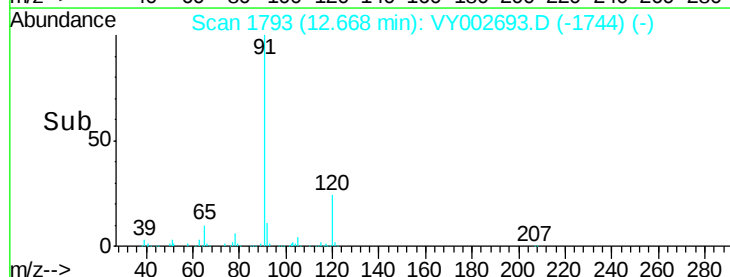
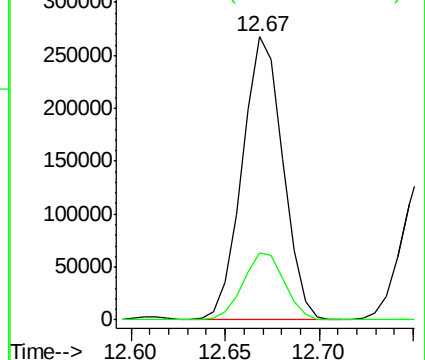
91 100

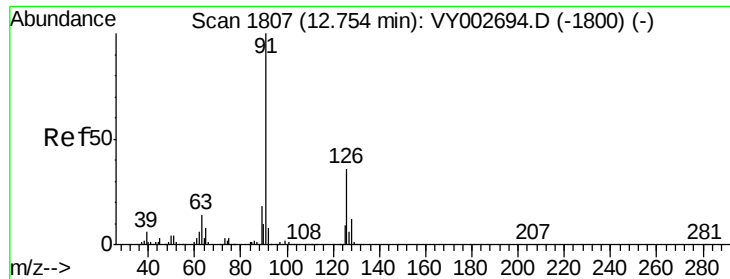
120 24.2 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.282 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY002693.D

Acq: 15 May 2020 12:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 218360

Ion Ratio Lower Upper

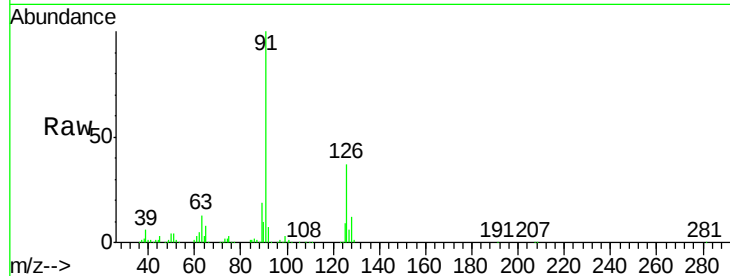
91 100

126 37.1 18.4 55.0

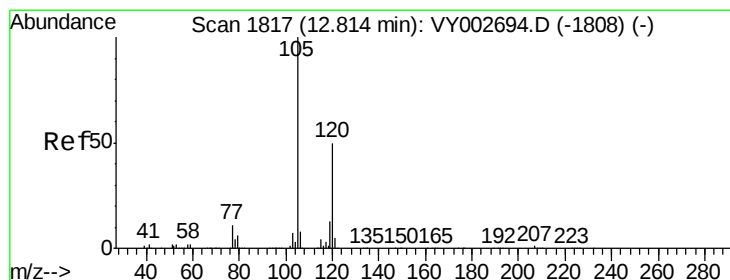
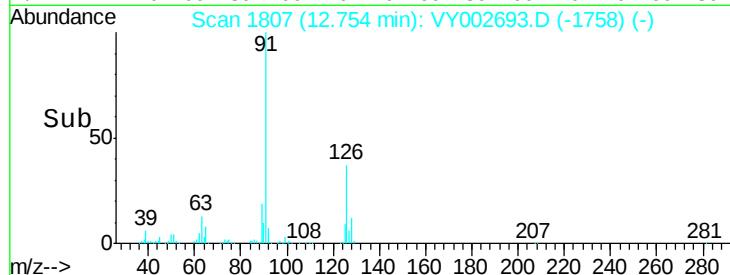
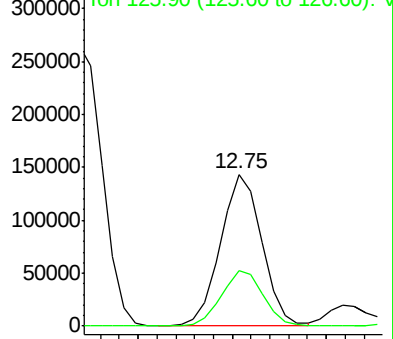
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Abundance Ion 91.00 (90.70 to 91.70): VY002693.D (-1758) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.509 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.01 min

Lab File: VY002693.D

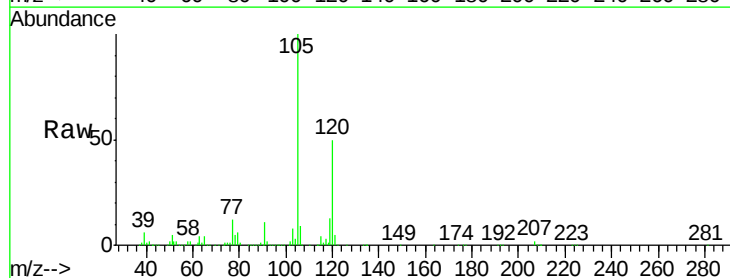
Acq: 15 May 2020 12:12

Tgt Ion: 105 Resp: 284723

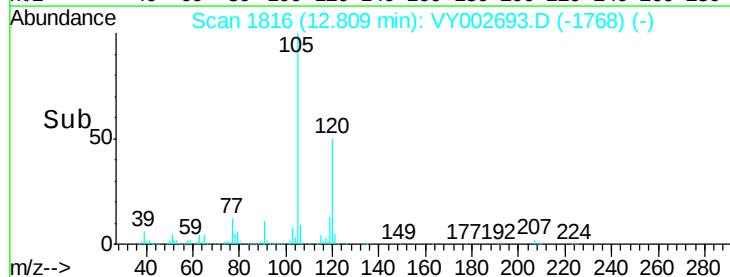
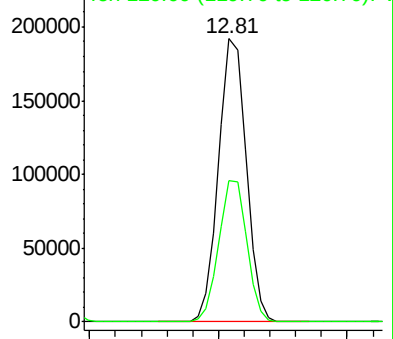
Ion Ratio Lower Upper

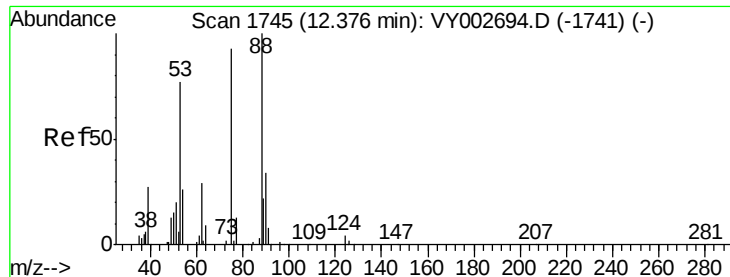
105 100

120 50.5 25.1 75.4



Abundance Ion 105.00 (104.70 to 105.70): VY002693.D (-1768) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.850 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY002693.D

Acq: 15 May 2020 12:12

Instrument :

MSVOA_Y

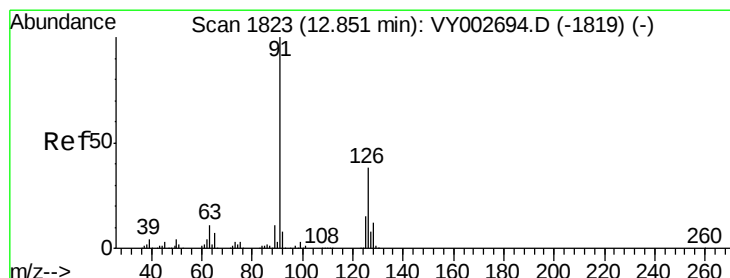
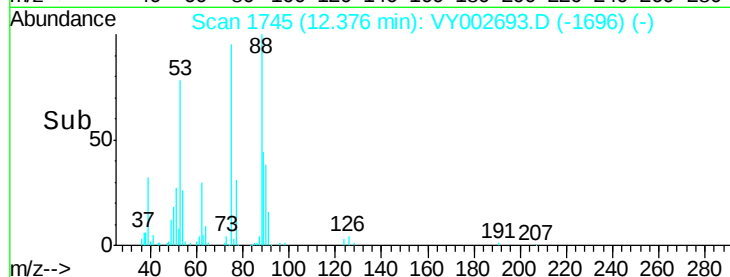
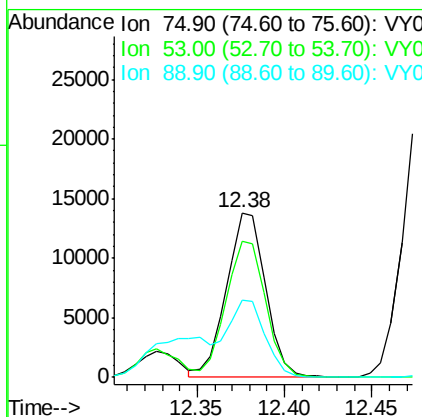
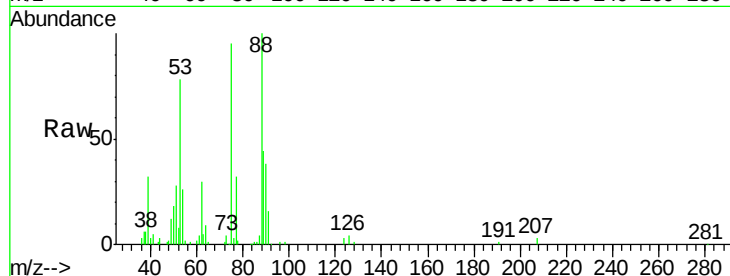
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	21427
Ion	Ratio	Lower	Upper
75	100		
53	83.8	65.0	97.6
89	46.0	66.6	99.8#

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#82

4-Chlorotoluene

Concen: 20.052 ug/l

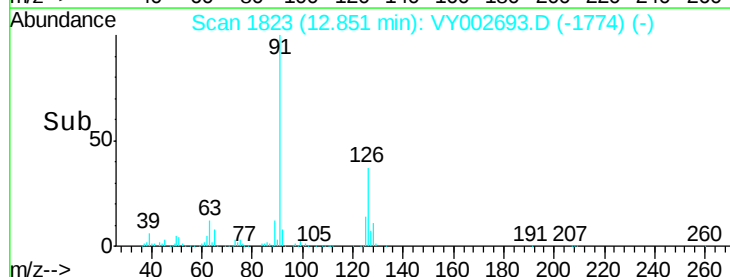
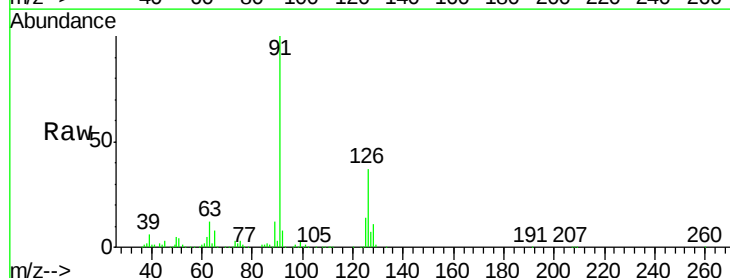
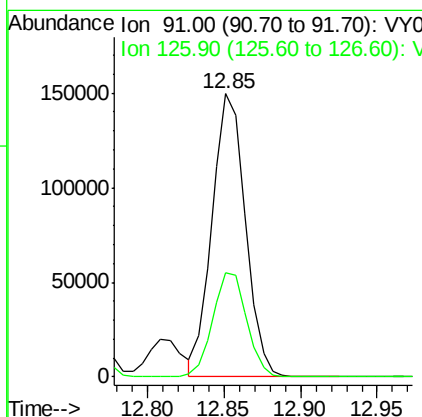
RT: 12.85 min Scan# 1823

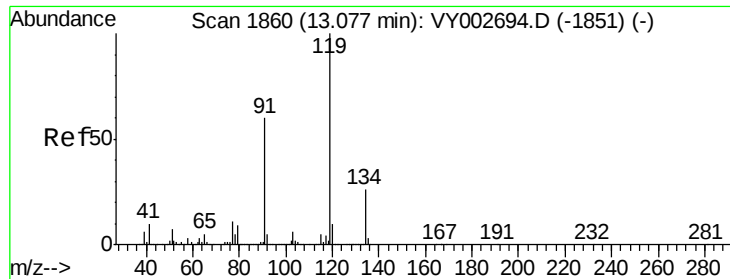
Delta R.T. 0.00 min

Lab File: VY002693.D

Acq: 15 May 2020 12:12

Tgt Ion:	91	Resp:	226338
Ion	Ratio	Lower	Upper
91	100		
126	37.4	18.6	56.0





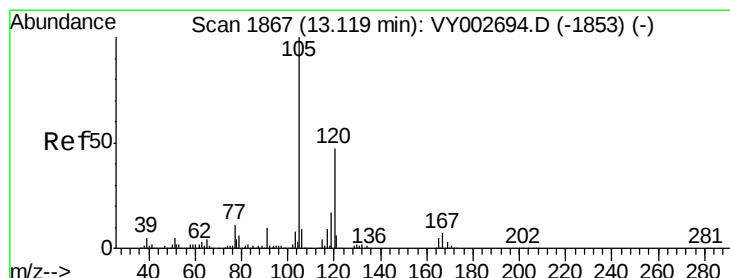
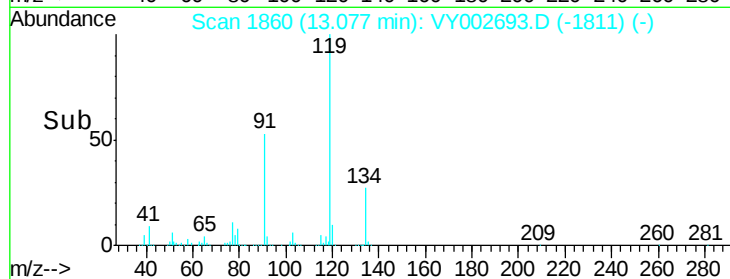
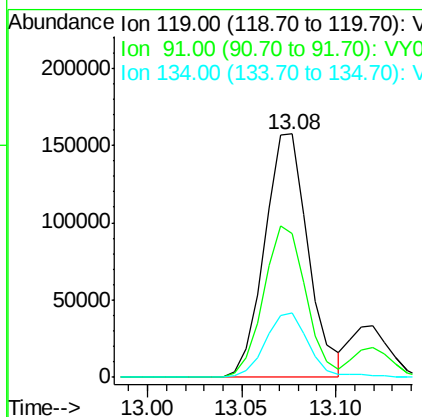
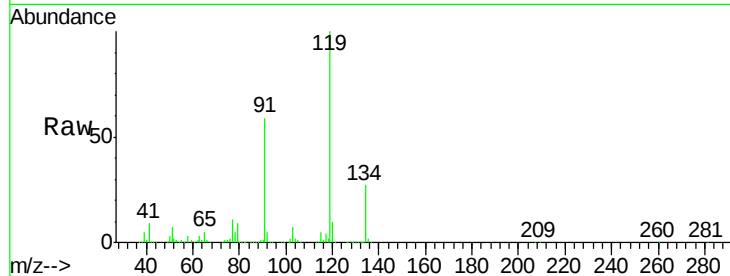
#83
tert-Butylbenzene
Concen: 20.788 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VY002693.D
Acq: 15 May 2020 12:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	252994		
91	60.3		30.4	91.2
134	26.4		13.4	40.2

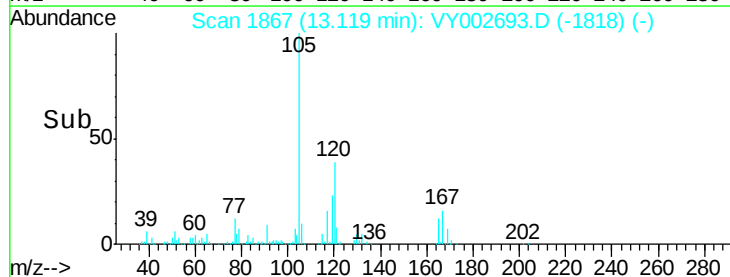
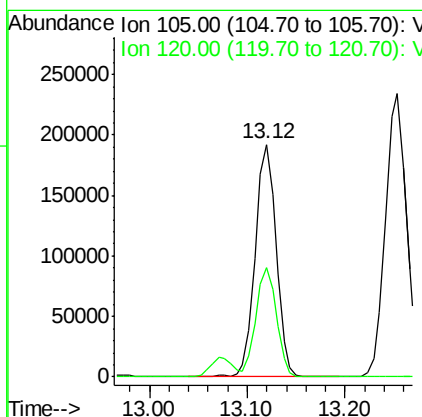
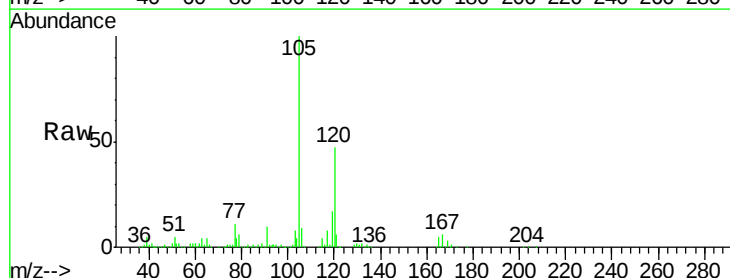
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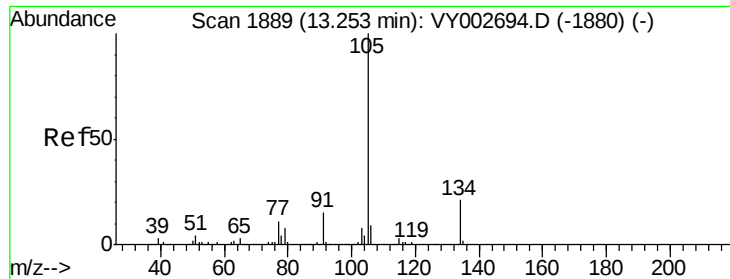
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#84
1,2,4-Trimethylbenzene
Concen: 20.773 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VY002693.D
Acq: 15 May 2020 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	287699		
120	45.9		23.5	70.5





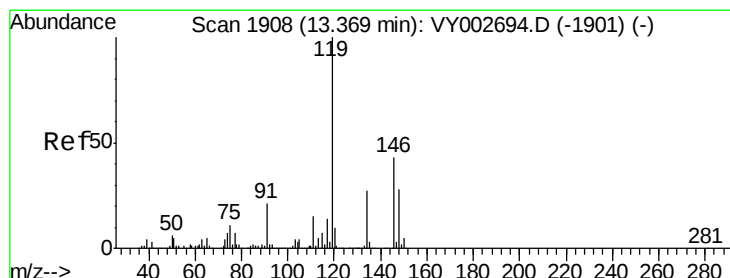
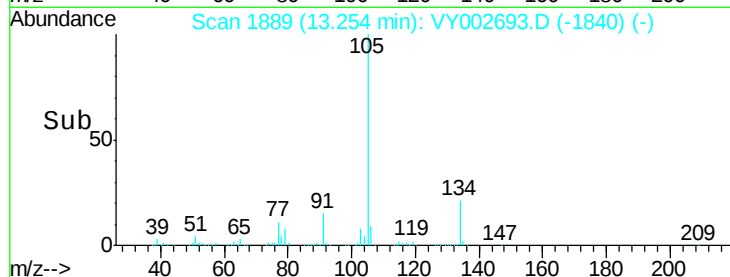
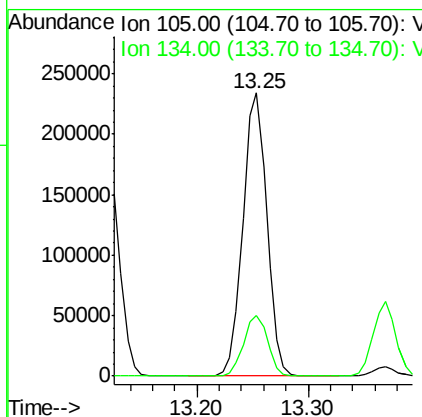
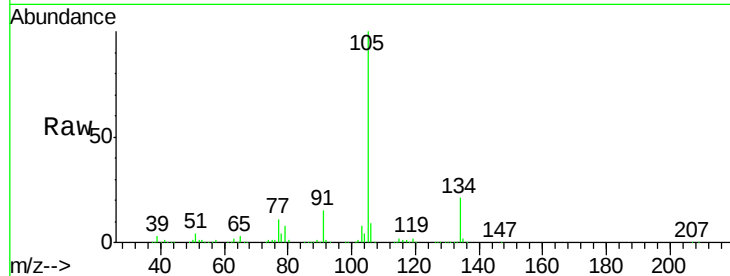
#85
 sec-Butylbenzene
 Concen: 20.637 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. 0.00 min
 Lab File: VY002693.D
 Acq: 15 May 2020 12:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.5	10.8	32.3

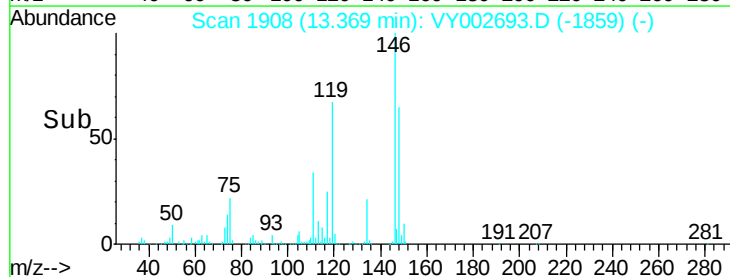
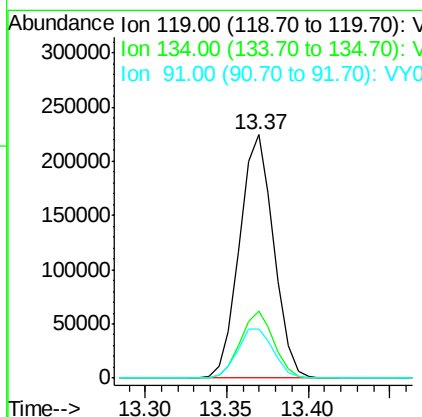
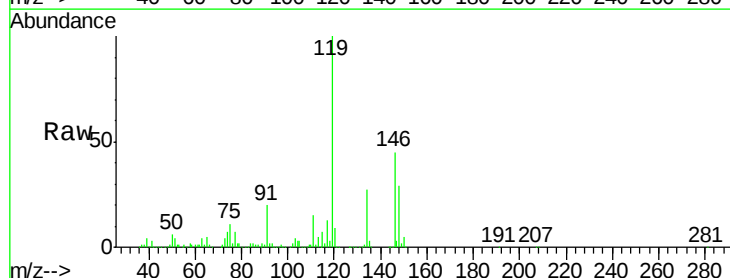
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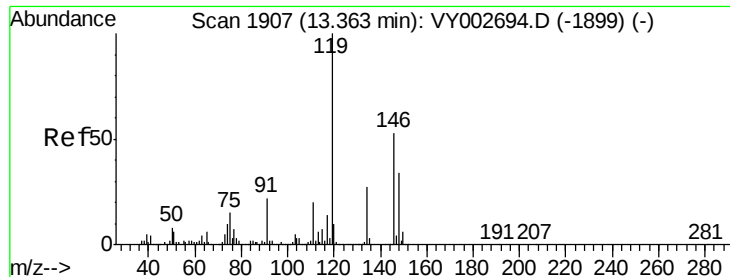
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#86
 p-Isopropyltoluene
 Concen: 20.708 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.00 min
 Lab File: VY002693.D
 Acq: 15 May 2020 12:12

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.5	40.5
91	21.1	10.8	32.3





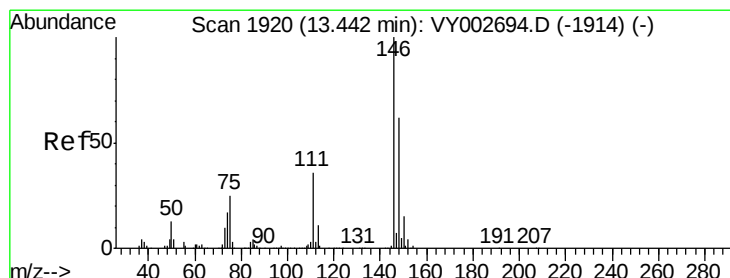
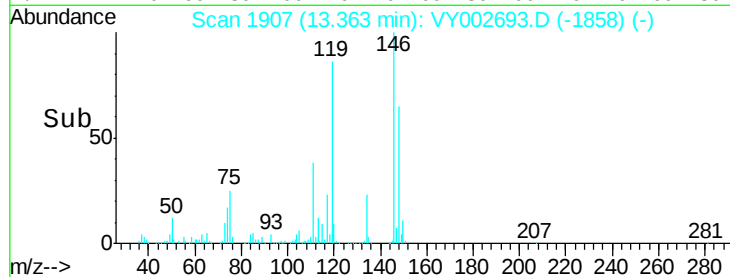
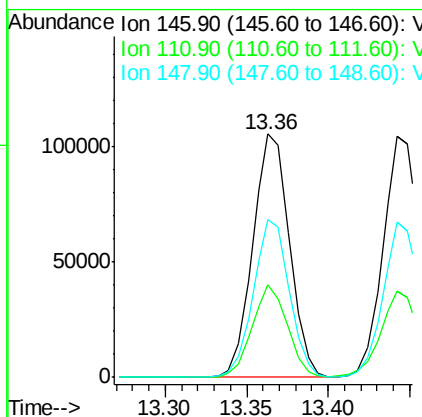
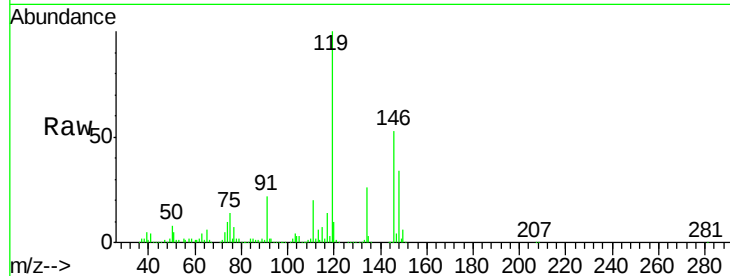
#87
 1,3-Dichlorobenzene
 Concen: 20.711 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY002693.D
 Acq: 15 May 2020 12:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	164226		
111	36.3	18.5	55.5	
148	63.7	32.1	96.5	

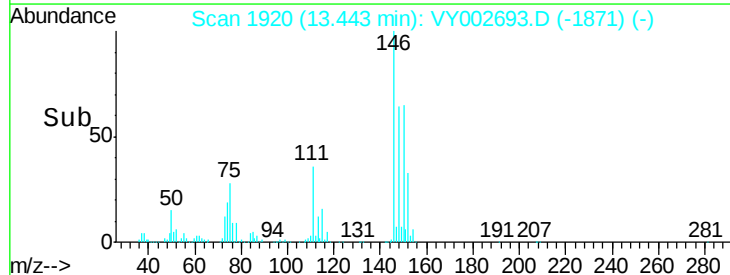
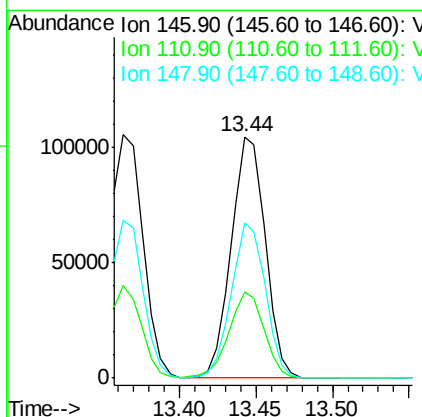
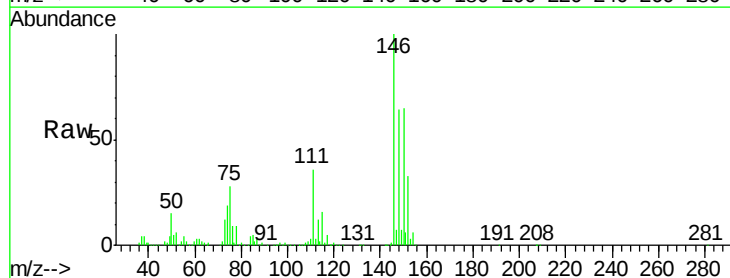
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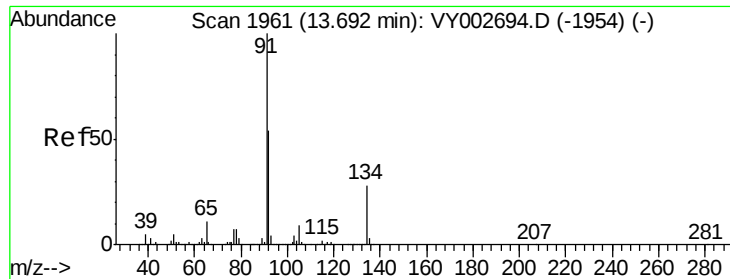
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#88
 1,4-Dichlorobenzene
 Concen: 20.640 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY002693.D
 Acq: 15 May 2020 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	161924		
111	36.7	18.1	54.4	
148	64.4	31.8	95.3	





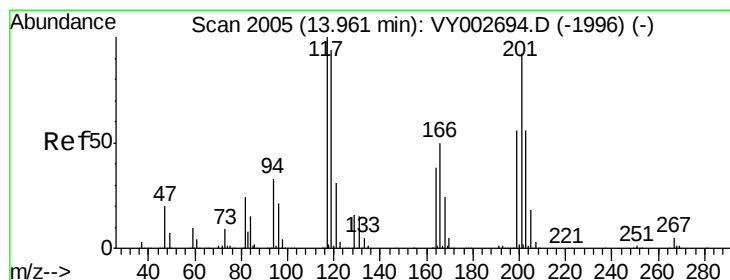
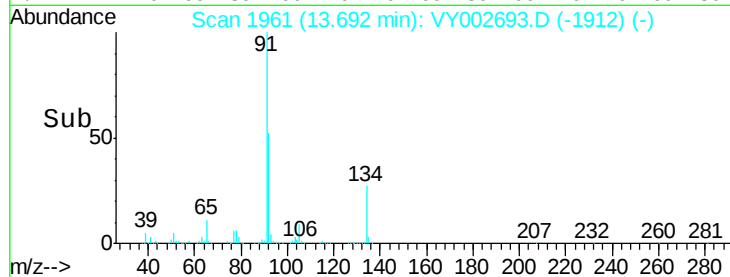
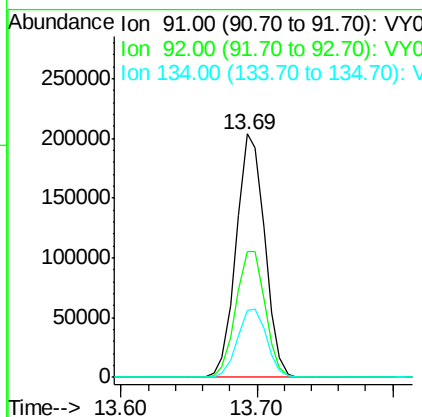
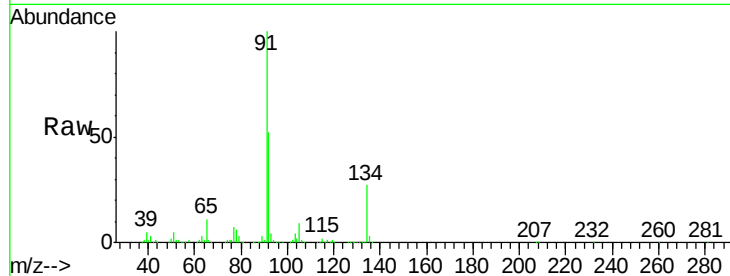
#89
n-Butylbenzene
Concen: 20.590 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY002693.D
Acq: 15 May 2020 12:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	297070		
92	53.4		26.8	80.4
134	28.8		14.5	43.5

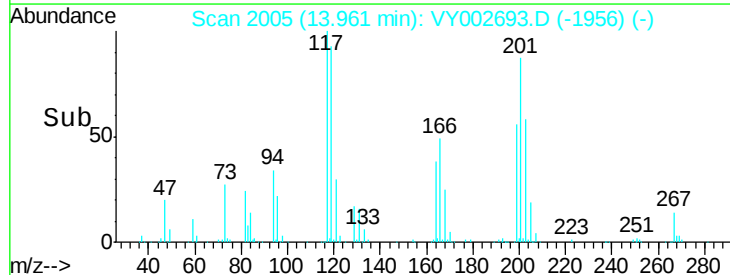
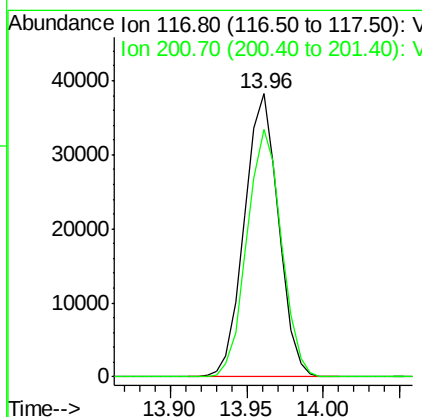
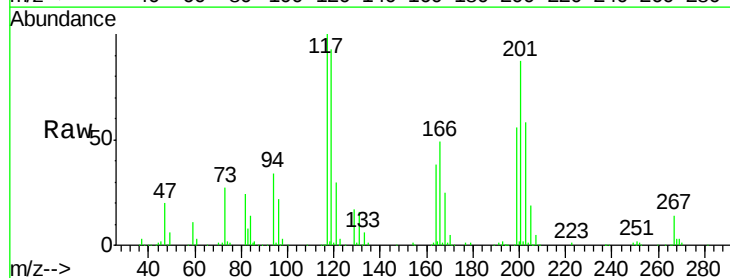
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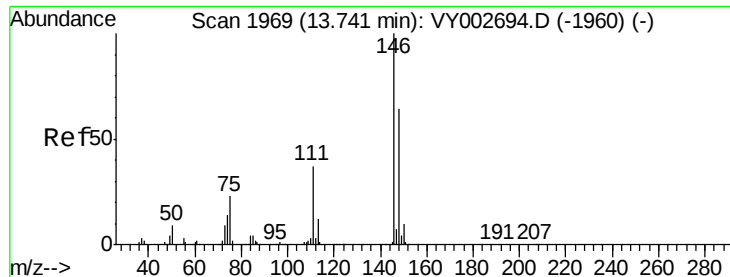
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#90
Hexachloroethane
Concen: 20.490 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY002693.D
Acq: 15 May 2020 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	59286		
201	88.5		44.9	134.7





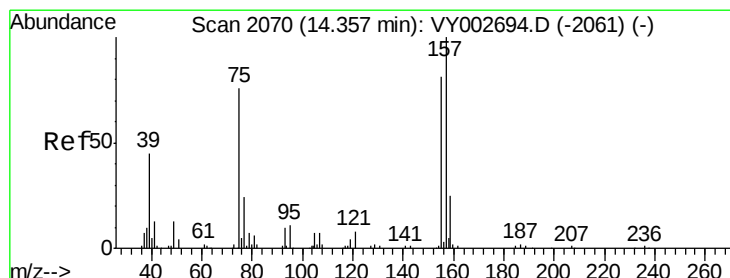
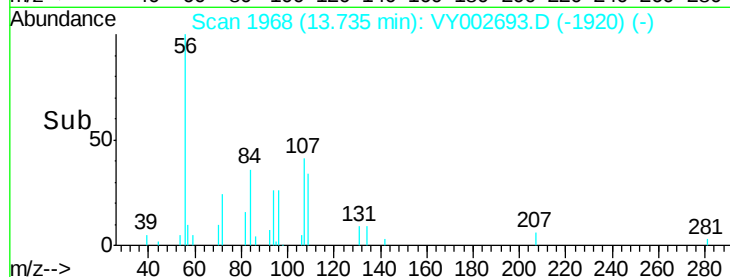
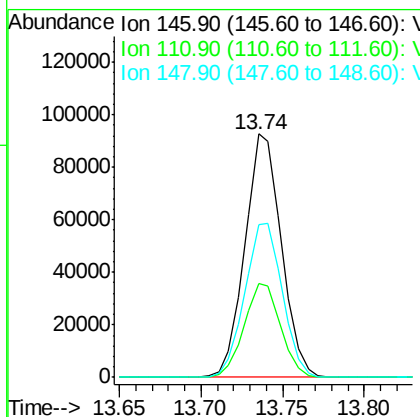
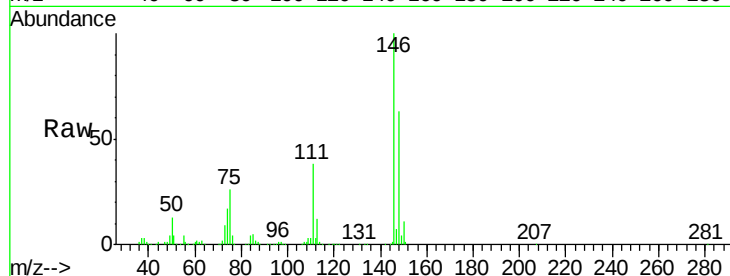
#91
 1,2-Dichlorobenzene
 Concen: 20.398 ug/l
 RT: 13.74 min Scan# 1968
 Delta R.T. -0.01 min
 Lab File: VY002693.D
 Acq: 15 May 2020 12:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.1	57.1
148	65.0	31.9	95.7

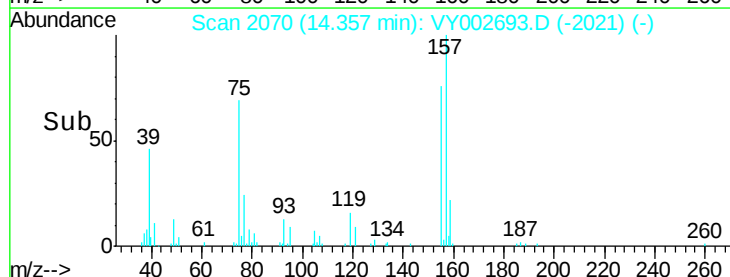
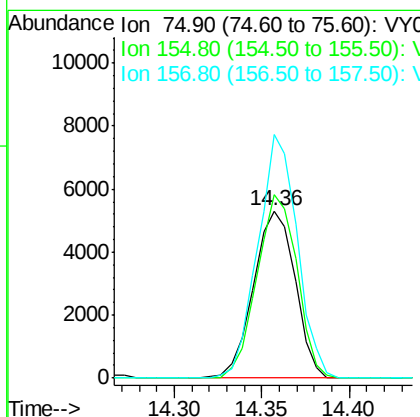
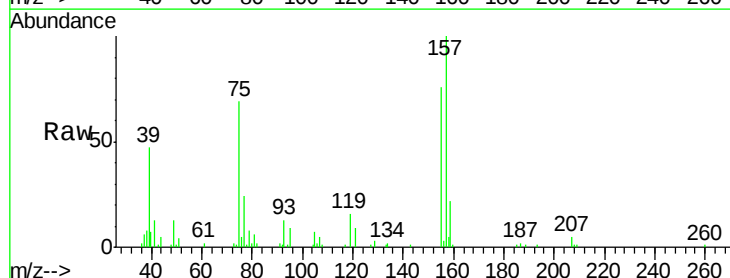
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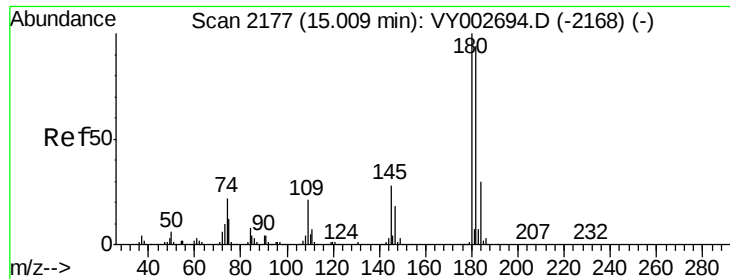
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.773 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY002693.D
 Acq: 15 May 2020 12:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.8	53.5	160.7
157	138.3	67.9	203.7





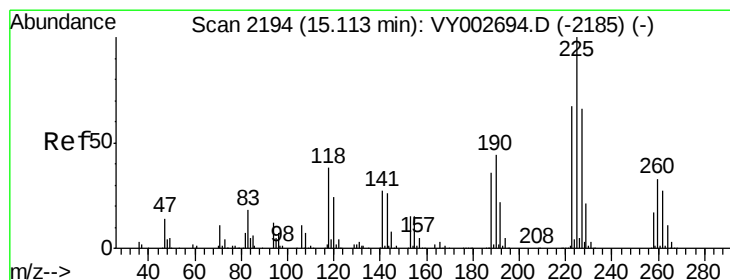
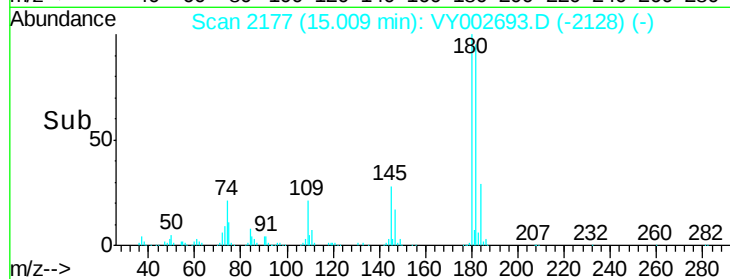
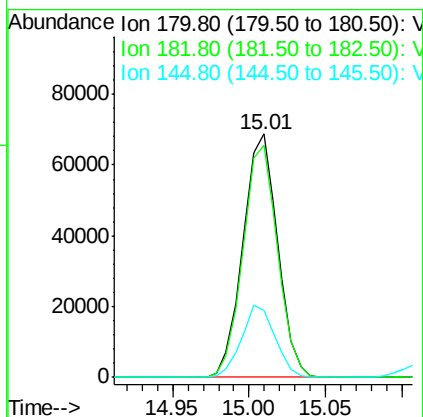
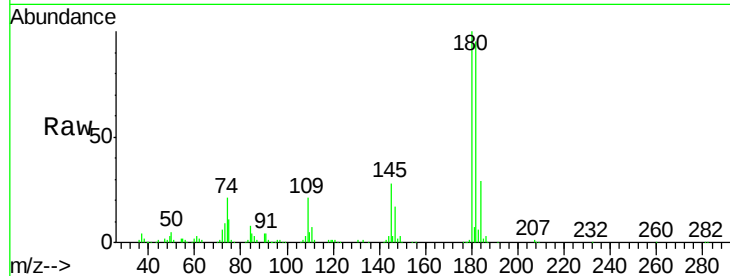
#93
 1,2,4-Trichlorobenzene
 Concen: 21.021 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VY002693.D
 Acq: 15 May 2020 12:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Tot Ion:	180	Resp:	108447
Ion Ratio	Lower	Upper	
180	100		
182	95.2	47.3	142.0
145	28.7	14.1	42.2

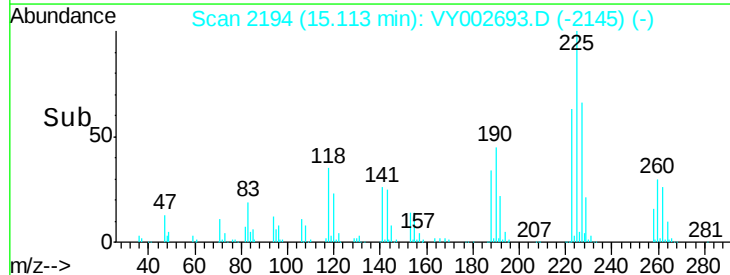
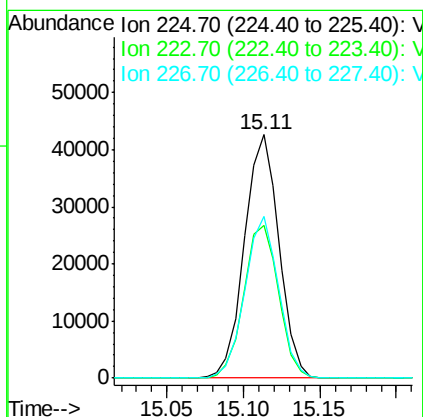
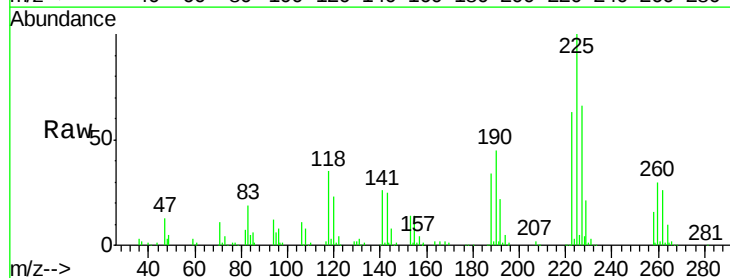
Manual Integrations
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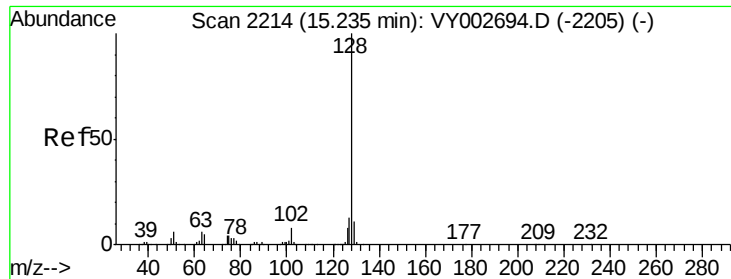
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#94
 Hexachlorobutadiene
 Concen: 21.572 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VY002693.D
 Acq: 15 May 2020 12:12

Tgt Ion:	225	Resp:	66921
Ion Ratio	Lower	Upper	
225	100		
223	63.3	31.6	94.8
227	64.7	32.2	96.6





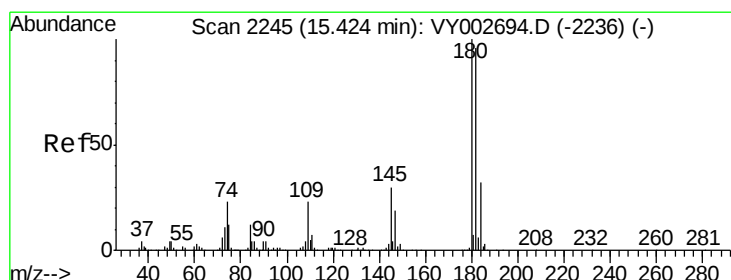
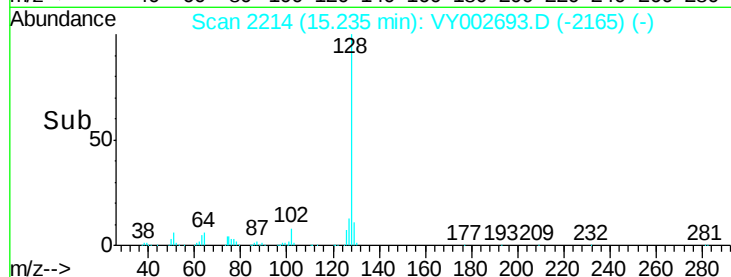
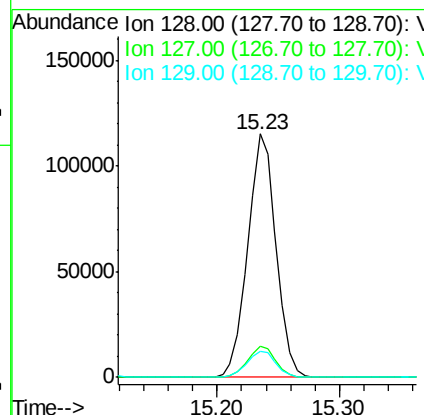
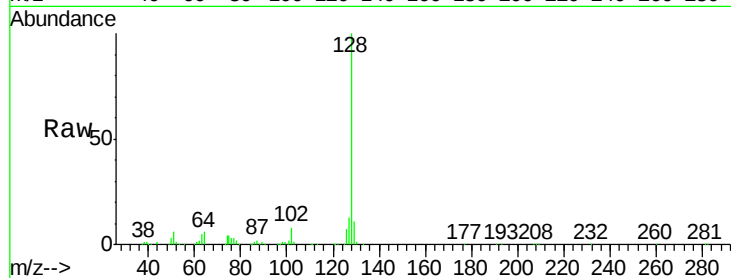
#95
Naphthalene
Concen: 19.686 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY002693.D
Acq: 15 May 2020 12:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	184329		
127	12.6		10.3	15.5
129	11.1		8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.730 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VY002693.D
Acq: 15 May 2020 12:12

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	90665		
182	95.2		47.6	142.9
145	30.4		15.1	45.3

